

CATALOGUE

OF THE

OFFICERS AND STUDENTS

OF

YALE COLLEGE,

With a Statement of the Course of Instruction in the
Various Departments,

1885-86

NEW HAVEN:
TUTTLE, MOREHOUSE & TAYLOR, PRINTERS

1885

ABBREVIATIONS

A.	-	-	-	-	-	-	Absent on leave
C.	-	-	-	-	-	-	Old Chapel
D.	-	-	-	-	-	-	Durfee College
E.	-	-	-	-	-	-	East Divinity Hall
F.	-	-	-	-	-	-	Farnam College
L.	-	-	-	-	-	-	Lyceum
N.	-	-	-	-	-	-	North College
N. M.	-	-	-	-	-	-	North Middle College
N. S. H.	-	-	-	-	-	-	North Sheffield Hall
S.	-	-	-	-	-	-	South College
S. H.	-	-	-	-	-	-	Sheffield Hall
S. M.	-	-	-	-	-	-	South Middle College
TR.	-	-	-	-	-	-	Treasury Building
W.	-	-	-	-	-	-	West Divinity Hall

Upon the College Square, the rooms numbered from 1 to 32 are in South College; from 33 to 64 in South Middle College; from 65 to 96 in North Middle College; from 97 to 128 in North College; from 129 to 177 in Farnam College; from 178 to 185 in the Lyceum; from 186 to 200 in the Old Chapel; from 201 to 240 in Durfee College.

The rooms in East Divinity Hall are numbered from 1 to 54; in West Divinity Hall from 55 to 124.

The rooms in Sheffield Hall are numbered from 1 to 22; in North Sheffield Hall from 28 to 58.

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CALENDAR

1885

24 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
1 Oct.	Thursday	Fall Term, Department of Law, begins.
1 Oct.	Thursday	School of the Fine Arts, term begins.
1 Oct.	Thursday	First Term, Department of Medicine, begins.
16 Dec.	Wednesday	First Term, Department of Medicine, ends.
23 Dec.	Wednesday	FIRST TERM ends.

Winter Vacation of two weeks.

1886

7 Jan.	Thursday	SECOND TERM begins.
14 Jan.	Thursday	Winter Term, Department of Law, begins.
31 March	Wednesday	Second Term, Department of Medicine, ends.
1 April	Thursday	Winter Term, Department of Law, ends.
15 April	Thursday	Spring Term, Department of Law, begins.
15 April	Thursday	Third Term, Dep't. of Medicine, begins.
15 April	Thursday	Junior Exhibition.
21 April	Wednesday	SPRING ACADEMICAL RECESS begins.
28 April	Wednesday	SPRING ACADEMICAL RECESS ends.
6 May	Thursday	Berkeley Scholarship Examination.
7 May	Friday	DeForest Prize Speaking.
18, 19 May	Tuesd., Wedn.	Annual Examination, Dep't. of Theology.
20 May	Thursday	Anniversary, Department of Theology.
24 May	Monday	Woolsey Scholarship Examination begins.
24 May	Monday	Winthrop Prize Examination.
31 May	Monday	School of the Fine Arts, term ends.
27 June	Sunday	Baccalaureate Sermon.
28 June	Monday	Presentation for Degrees, Academical Dep't.
28 June	Monday	Anniversary of the Department of Medicine.
29 June	Tuesday	Anniversary of the Society of Alumni.
29 June	Tuesday	Anniversary of the Sheffield Scientific School.
29 June	Tuesday	Anniversary of the Department of Law.
30 June	Wednesday	COMMENCEMENT.
1, 2, 3, July	Thursday, Friday, and Sat.	{ Examinations for admission to the Academ- ical Department and to the Sheffield Scientific School.

Summer Vacation of twelve weeks.

21, 22 Sept.	Tuesd., Wedn.	Examinations for admission.
23 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
30 Sept.	Thursday	Fall Term, Department of Law, begins.
23 Dec.	Thursday	FIRST TERM ends.

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Charles Terrill Whittlesey, B.A. } Amherst College	<i>Roxbury</i>	106 W.

MIDDLE CLASS, 29

JUNIOR CLASS

Frederick William Ashley, B.A. } Western Reserve University	<i>Fremont, O.</i>	91 W.
Francis Peck Bacheler, B.A.	<i>New Haven</i>	45 E.
Edgar Irving Brenner, B.A. } Pennsylvania College	<i>Smithsburg, Md.</i>	48 E.
Clarence Talmage Brown, B.A. } Ohio Wesleyan University	<i>Chesterville, O.</i>	117 W.
Lewin Frank Buell, B.A.	<i>Madison</i>	12 E.
Clay Dent Chunn	<i>Chaptico, Md.</i>	29 E.
Cyrus Hymeneus Cole, B.A. } Amherst College	<i>Boscobel, Wisc.</i>	43 E.
Empson Cory, B.A. } Wabash College	<i>Crawfordsville, Ind.</i>	37 E.
Saul Ober Curtice, B.A. } Wesleyan University	<i>Middlefield</i>	70 W.
William Watts Davidson, B.A. } Yadkin College	<i>Company Shops, N. C.</i>	6 E.

Charles Allen Dinsmore, } Kentucky University }	Woodstock, Vt.	49 E.
James Hall	New Haven	4 E.
John Edward Herman, } Union Biblical Institute }	Warsaw, N. Y.	74 W.
Lewis Franklin John, B.A. } Otterbein University }	Dayton, O.	41 E.
Lewis Henry Keller, } Adrian College }	Upper Sandusky, O.	41 E.
Keizo Koyano, B.A. } Amherst College }	Kumagai, Japan	123 W.
Gerald Stanley Lee, B.A. } Middlebury College }	Brattleboro', Vt.	79 W.
Frank Fales Lewis, B.A. } Beloit College }	Stillman Valley, Ill.	100 W.
Charles Loomis, B.A. } Amherst College }	Charlestown, O.	24 E.
Frank Ranney Luckey, B.S. } Cornell University }	Poughkeepsie, N. Y.	320 Elm st.
Herbert Gardner Mank, B.A. } Amherst College }	Union, Me.	51 E.
Philip Hannibal Mason, B.A. } Carleton College }	Vermillion, Ill.	53 E.
Robert Luvern Marsh, B.A. } Nebraska University }	Lincoln, Nebr.	42 Whalley av.
Alexander Milne	Westerly, R. I.	54 E.
Henry Harvey Morse, B.A. } Amherst College }	Plantsville	20 E.
John Coryell Parsons, } Williams College }	Chicago, Ill.	10 E.
Lyman Plimpton Peet, B.A.	West Haven	15 E.
William Abbott Perkins, B.A. } Bowdoin College }	Harvard, Mass.	8 E.
Franklin Rupert Reed, B.A. } Iowa College }	Grinnell, Ia.	4 E.
James Bronson Reynolds, B.A.	North Haven	76 W.
Charles Nichols Severance, } Hamilton College }	Mexico, N. Y.	42 Whalley av.
Frank Varnum Stevens, B.A. } Carleton College }	Vermontville, Mich.	75 W.
Lucius Harrison Thayer, B.A. } Amherst College }	Westfield, Mass.	115 W.
John Oliver Thrush, B.A. } Lebanon Valley College }	Ridgeville, W. Va.	46 E.
Frank VanAllen, B.A.	Ravenswood, Ill.	15 E.
John Pressly Vance, B.A. } Westminster College }	New Castle, Pa.	50 E.
John Churchwood Wilson, B.A. } Amherst College }	Philadelphia, Pa.	22 E.
George Heber Woodhull, B.A.	Rocky Point, N. Y.	45 E.

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WILLIAM E. LOCKWOOD, M.D., *Assistant in Chemistry*

GRADUATE STUDENTS

Oliver Thomas Osborne, M.D.

New Haven

111 York st.

Jay Webber Seaver, B.A., M.D.

New Haven

978 Chapel st.

GRADUATES, 2

SENIOR CLASS

Charles Henry Brockett

New Haven

351 Elm st.

Louis Edward Cooper, PH.B.

Ansonia

41 High st.

Robert Ogden DuBois, PH.B.

New Haven

328 Howard av.

George Howard Pierce, B.A. }
Bowdoin College*Portland, Me.*

137 Elm st.

SENIOR CLASS, 4

MIDDLE CLASS

Henry Osborn Carrington, PH.B.

New Haven

1169 Chapel st.

Harry Thomson Clarke

New Haven

1166 Chapel st.

George Frederick Converse

New Haven

38 Lynwood st.

Francis Bartlett Kellogg, B.A.

Avon

38 Hoadley B'dg.

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Manhattan College*New Haven*

47 Washington st.

Warren Chamberlain McFarland

New Haven

67 Mansfield st.

Stephen John Maher

New Haven

203 East st.

MIDDLE CLASS, 7

JUNIOR CLASS

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West Haven

15 E.

Edward Charles Beach

Seymour

70 Howe st.

Robert Seymour Bradley, B.A.

New Haven

141 Orange st.

Thomas Matthew Cahill

New Haven

227 Franklin st.

John Michael Cannon

New Haven

228 Hamilton st.

Augustin Averill Crane, B.A.

New Haven

213 Orange st.

G. Skiff Ford

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55 Silver st.

Francis A. Hubbell

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75 4th st.

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138 York st.

Charles Ross Jackson

New Haven

158 York st.

Charles' Clarkson Kenyon

New Haven

53 Prospect st.

Harry Ranney Stiles

Middletown

138 York st.

Joseph Hendley Townsend, B.A.

New Haven

45 Martin st.

Frank Van Allen, B.A.

Ravenswood, Ill.

15 E.

JUNIOR CLASS, 14

SPECIAL STUDENT

Franklin Pierce Lynch, A.B. }
Univ. at Lewisburg, Pa.*Philadelphia, Pa.*

81 W.

SUMMARY OF STUDENTS, 28

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ARTHUR T. HADLEY, B.A., *Railway Management and Economics of Transportation*

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Demus Riley Gale, LL.B. } Columbian University }	<i>Red Bluff, Cal.</i>	479 Chapel st.
Emerson Howe, LL.B. } Columbian University }	<i>New York City</i>	238 York st.
Stiles Judson, Jr., LL.B., } Attorney at Law }	<i>Stratford</i>	Stratford
Frank Anton Meyer, S.B. } Santa Clara Coll., LL.B. Columbia Univ. }	<i>Petaluma Cal.</i>	479 Chapel st.
Samuel Clinton Morehouse, LL.B., } Attorney at Law }	<i>Fairfield</i>	111 York st.
Herman Daniel Pryibil, LL.B., } Attorney at Law }	<i>New York City</i>	238 York st.
Ervin Llewellyn Thorpe, M.A. } Baker Univ., LL.B. Iowa State Univ., PH.D. } Syracuse Univ., Att'y at Law }	<i>Chicago, Ill.</i>	53 E.
George Dutton Watrous, B.A., M.L., } Attorney at Law }	<i>New Haven</i>	24 College st.

GRADUATE STUDENTS, 8

SPECIAL STUDENTS

William Marshall Johnson	<i>New Haven</i>	1002 Chapel st.
Soichi Tsuchiya	<i>Tokio, Japan</i>	99 Greene st.

SPECIAL STUDENTS, 2

SENIOR CLASS

Louis Lawrence Barnum	<i>Thompsonville</i>	1136 Chapel st.
Charles Kingsbury Billings, B.A.	<i>New Haven</i>	65 Trumbull st.
Clement Stevens Bissell	<i>Charleston, S. C.</i>	128 High st.
Lucius Boltwood, B.A.	<i>New Haven</i>	77 Wall st.
James Nicholas Cannon	<i>New Haven</i>	228 Hamilton st.
Charles Francis Davies	<i>Topeka, Kan.</i>	113 York st.
George Henry Fisher	<i>Boston, Mass.</i>	3 College st.
Ralph James Gluckler	<i>New York City</i>	63 Prospect st.
Raymond Hoagland	<i>Brooklyn, N. Y.</i>	5 College st.
Frank James Lawler, B.A. } Georgetown College }	<i>Prairie du Chien, Wisc.</i>	71 Whalley av.
John McKean, Jr.	<i>Providence, R. I.</i>	189 Church st.
William Carl Mueller	<i>Meriden</i>	Meriden
Frederick Adriance Osborn	<i>New Haven</i>	232 York st.
Frank Dunlap Pavey, B.A.	<i>Washington, C. H., O.</i>	139 Elm st.
Philip Neri Robinson	<i>New Haven</i>	137 Edwards st.
Henry Jacob Ryder, B.A.	<i>New Haven</i>	70 Hallock st.
Henry Tweedy Shelton, Jr., B.A.	<i>Bridgeport</i>	Bridgeport
Sherman Day Thacher, B.A.	<i>New Haven</i>	255 Crown st.
Henry Raup Wagner, B.A.	<i>Philadelphia, Pa.</i>	Grand Union Hotel
Levi Gordon Warner	<i>Norwalk</i>	Norwalk
Benjamin Streeter Warren	<i>Detroit, Mich.</i>	5 College st.
Edward Livingston Wells	<i>Southport</i>	Southport
James Clark Work, B.A. } Waynesburg College }	<i>Uniontown, Pa.</i>	128 High st.

SENIOR CLASS, 23

JUNIOR CLASS

John Richards Booth	<i>Danbury</i>	516 Chapel st.
Charles Russell Burnham	<i>Hartford</i>	1079 Chapel st.
William Scoville Case, B.A.	<i>Granby</i>	337 George st.
Prentice William Chase	<i>New Haven</i>	281 Dixwell av.
George Ashbille Clark	<i>Meriden</i>	Meriden
Albert Stevens Cram	<i>Norwalk</i>	Norwalk
Leonard Mayhew Daggett, B.A.	<i>New Haven</i>	60 Wall st.
Edward Downes	<i>New Haven</i>	103 Howe st.
Horace Shermon Eaton	<i>Chaplin</i>	117 York st.
Robert Michael Enscoe	<i>New Haven</i>	27 Edwards st.
Jacob Philip Goodhart, PH.B.	<i>New Haven</i>	267 Wooster st.
Thomas William Hackett	<i>New Haven</i>	61 Carlisle st.
John Harrison, B.A. }	<i>Glasgow, Mo.</i>	106 York sq. pl.
Pritchett School Institute }		
Benjamin Kaye Heaton, B.A.	<i>Philadelphia, Pa.</i>	Yale Coöp. Soc.
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James Benjamin Keogh, B.A.	<i>Chicago, Ill.</i>	90 Wall st.
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Lincoln University }		
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Edward Isaac Sanford, Jr., B.A.	<i>New Haven</i>	538 Chapel st.
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Santa Clara College }		
Morgan Stanley	<i>Henderson, Ky.</i>	91 Olive st.
Otis Strong, B.A.	<i>Auburn, N. Y.</i>	6 s.
Donald Robertson Tyler	<i>Owensboro, Ky.</i>	242 York st.
Thomas Henry Warnock	<i>Meriden</i>	Meriden
Eben Whitney, Jr.	<i>Glassboro, N. J.</i>	27 College st.
Joseph Thompson Whittelsey, PH.B.	<i>New Haven</i>	367 Prospect st.
Isaac Wolfe	<i>New Haven</i>	Register Office

JUNIOR CLASS, 29

SUMMARY.

GRADUATE CLASS,	8
SPECIAL,	2
SENIORS,	22
JUNIORS,	29
TOTAL,	61

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CHARLES S. HASTINGS, Ph.D.
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HENRY W. FARNAM, M.A.

GRADUATE STUDENTS

Frank Frost Abbott, B.A.	<i>Redding</i>	124 N.
Charles Backus Ball, PH.B.	<i>Washington, D. C.</i>	A.
Erwin Hinckley Barbour, B.A.	<i>Oxford, O.</i>	124 N.
Samuel Eben Barney, PH.B.	<i>New Haven</i>	363 Elm st.
John Bartholomew, PH.B.	<i>Hudson, N. Y.</i>	A.
Joseph Augustus Blake, B.A.	<i>New Haven</i>	134 College st.
Wilbur Franklin Booth, B.A.	<i>Easton</i>	312 Elm st.
Malcom Booth, PH.B.	<i>Cheshire</i>	Cheshire
Edward Gaylord Bourne, B.A.	<i>New Haven</i>	36 E.
John Miller Burnam, B.A.	<i>Richmond, Ky.</i>	393 Temple st.
Albert Park Campbell, PH.B.	<i>New Haven</i>	28 York sq.
Herbert DeWitt Carrington, PH.B.	<i>New Haven</i>	1169 Chapel st.
Mark Wilson Chunn, B.A. } Western Maryland College }	<i>Mechanicsville, Md.</i>	29 E.
John Franklin Crowell, B.A.	<i>Hall, Pa.</i>	33 E.
George Wyckoff Cummins, PH.B.	<i>Vienna, N. J.</i>	297 York st.
Arnold Guyot Dana, B.A.	<i>New Haven</i>	24 Hillhouse av.
Carlton Alexander Foote, B.A.	<i>New Haven</i>	347 Howard av.
Henry Holbrook Gladding, PH.B.	<i>New Haven</i>	270 Martin st.
Gustave Frederick Gruener, B.A.	<i>New Haven</i>	13 Whiting st.
Arthur Pinckney Hall, B.D., } B.A. Drury College }	<i>North Springfield, Mo.</i>	46 E.
John Bell Hatcher, PH.B.	<i>Cooper, Iowa</i>	85 Olive st.
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Yung Kwai, B.A.	<i>Kwongtung, China</i>	318 George st.
Joseph McKen Lewis, B.A.	<i>New York City</i>	Athens, Greece
William Ellison Lockwood, PH.B., M.D.	<i>Stamford</i>	146 Dixwell av.
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Elmer Truesdell Merrill, B.A. } Wesleyan University }	<i>Middletown</i>	Middletown
Charles Newton Morris, B.A.	<i>West Hartford</i>	118 York st.
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Louis Valentine Pirsson, PH.B.	<i>New York City</i>	8 Prospect st.
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Charles Gideon Rupert, PH.B.	<i>Newmarket, Va.</i>	109 High st.
James Alward Seymour, PH.B.	<i>Auburn, N. Y.</i>	114 High st.
William Tuttle Shepard, PH.B.	<i>Bristol</i>	17 College st.
Elias Hershey Sneath, B.D., M.A. } Lebanon Valley College }	<i>Columbia, Pa.</i>	
John Prentice Terry, PH.B.	<i>Brooklyn, N. Y.</i>	90 High st.
George Elliot Verrill, PH.B.	<i>New Haven</i>	86 Whalley av.
Herbert Henry White, B.A.	<i>New Haven</i>	147 Humphrey st.
Henry Howard Whitehouse, PH.B.	<i>Hartford</i>	N. S. H.
Samuel Hubbard Williams, B.A. } Amherst College }	<i>Glastonbury</i>	128 High st.
Wolff Willner, B.A.	<i>New Haven</i>	157 Bradley st.

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FRANK F. ABBOTT, B.A.

WILLIAM PRICE, B.A.

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Charles Francis Adams	<i>Westport</i>	28 S.
John Charles Adams	<i>Oakland, Cal.</i>	218 D.
Norman Ilsley Adams	<i>Boston, Mass.</i>	54 S. M.
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Paul Kimball Ames	<i>Minneapolis, Minn.</i>	103 N.
William Burrall Anderson	<i>New York City</i>	232 D.
Benjamin Harris Anthony	<i>New Bedford, Mass.</i>	105 N.
Robert Appleton	<i>New York City</i>	232 D.
Bartlett Arkell	<i>Canajoharie, N. Y.</i>	222 D.
Edward Sawyer Bacon	<i>Dover, N. H.</i>	168 F.
Charles Lukens Bailey, Jr.	<i>Harrisburg, Pa.</i>	231 D.
Harvey Brown Bashore	<i>West Fairview, Pa.</i>	87 N. M.
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William Adams Brown	<i>New York City</i>	170 F.
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Wilson Catherwood	<i>Philadelphia, Pa.</i>	212 D.
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Austen Colgate	<i>Orange, N. J.</i>	174 F.
Sidney Morse Colgate	<i>Orange, N. J.</i>	228 D.
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Francis Rexford Cooley	<i>Hartford</i>	176 F.
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Gibbons Gray Cornwell	<i>West Chester, Pa.</i>	132 F.
Alfred Cowles, Jr.	<i>Chicago, Ill.</i>	177 F.

Stanford Tappan Crapo	<i>New Bedford, Mass.</i>	105 N.
William Randall Crawford	<i>Chicago, Ill.</i>	238 D.
William Williams Crehore	<i>Cleveland, O.</i>	6 S.
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George Otis Fellows	<i>Norwich</i>	181 L.
Richard Thomas Francke	<i>New York City</i>	237 D.
William Morgan Gallup	<i>Norwich</i>	26 S.
Arthur Goebel	<i>Covington, Ky.</i>	116 N.
Nicholas Minor Goodlett, Jr.	<i>Evansville, Ind.</i>	238 D.
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William Burton Goodwin	<i>Biddeford, Me.</i>	25 S.
Willis Horace Goodyear	<i>New Haven</i>	217 D.
Louis Moen Grant	<i>Chicago, Ill.</i>	160 F.
Walter Greenwood Graves	<i>New Haven</i>	215 D.
John King Griffith	<i>Cynthiana, Ky.</i>	169 F.
Charles Jared Griggs	<i>Waterbury</i>	216 D.
Edwin Trowbridge Hall	<i>Binghamton, N. Y.</i>	237 D.
Lewis Birely Hamilton	<i>Waterbury</i>	221 D.
Charles Edward Hellier	<i>Bangor, Me.</i>	29 S.
Ralph Hickox	<i>New York City</i>	175 F.
Henry Ewing Hord	<i>Indianapolis, Ind.</i>	167 F.
Frederick Buell Hungerford	<i>Adams, Mass.</i>	211 D.
Washington Irving Hunt	<i>Columbus, Mich.</i>	119 N.
Charles Livingston Hyde	<i>Plainfield, N. J.</i>	219 D.
Herbert Armstrong Jaggard	<i>Altoona, Pa.</i>	169 F.
Charles Henry Jeffras	<i>Cincinnati, O.</i>	28 S.
George Lyle Kingsley	<i>Rome, N. Y.</i>	234 D.
Wiley Lyon Kingsley	<i>Rome, N. Y.</i>	234 D.
Wallace Percy Knapp	<i>New York City</i>	206 D.
Frank Henry Knight	<i>East Hartland</i>	118 York st.
David Denison Lambert	<i>New Haven</i>	163 Bradley st.
Elliot Cowdin Lambert	<i>New York City</i>	143 F.
Dudley Leavitt	<i>Pittsfield, Mass.</i>	144 F.
James Wright Lee, Jr.	<i>Cleveland, O.</i>	57 S. M.
Charlton Miner Lewis	<i>New York City</i>	108 N.
William McElroy	<i>Albany, N. Y.</i>	213 D.
Charles Thompson Mathews	<i>New York City</i>	72 W.
Charles Hale Matthews	<i>Chicago, Ill.</i>	163 F.
Charles Albert Moore	<i>Columbus, O.</i>	104 N.
Daniel Agnew Moore	<i>St. Louis, Mo.</i>	166 F.
Frank Gardner Moore	<i>Columbus, O.</i>	104 N.

Frederick Wightman Moore	<i>New London</i>	133 F.
Edward Broadbent Morgan	<i>Denver, Col.</i>	163 F.
Charles Rockwell Morley	<i>Cleveland, O.</i>	239 D.
George Rudolf Mosle	<i>New York City</i>	206 D.
Henry Townsend Nason	<i>Troy, N. Y.</i>	222 D.
William Ebenezer Nichols	<i>East Haddam</i>	217 D.
Charles Fredrick Odell	<i>Tarrytown, N. Y.</i>	137 F.
John Henry Painter	<i>Kittanning, Pa.</i>	155 F.
William Henry Parks	<i>Clinton</i>	65 N. M.
Edward Wright Peet	<i>West Haven</i>	30 S.
Frank George Peters	<i>Syracuse, N. Y.</i>	168 F.
Arthur Stevens Phelps	<i>New Haven</i>	44 High st.
Edward Johnson Phelps	<i>Andover, Mass.</i>	173 F.
Sheffield Phelps	<i>Englewood, N. Y.</i>	178 L.
Charles Wheeler Pierson	<i>Florida, N. Y.</i>	108 N.
Robert Latimer Redfield	<i>New York City</i>	140 F.
Edward Winthrop Reid	<i>Lakeville</i>	148 F.
Arleigh Dygert Richardson	<i>Ilion, N. Y.</i>	204 D.
John Frederic Roache	<i>North Andover, Mass.</i>	65 N. M.
William Alfred Robbins	<i>Brooklyn, N. Y.</i>	132 F.
Harry Leighton Rollins	<i>Wellesley, Mass.</i>	1079 Chapel st.
Lucius Chester Ryce	<i>Hartford</i>	25 S.
John Christopher Schwab	<i>New York City</i>	148 F.
Samuel Washington Scott	<i>New Haven</i>	113 N.
Frederic Norris Sewall	<i>Bath, Me.</i>	106 N.
Henry Dusenbury Shelden	<i>Detroit, Mich.</i>	180 L.
Arthur Leffingwell Shipman	<i>Hartford</i>	176 F.
Edward Colhoun Smith	<i>St. Joseph, Mo.</i>	204 D.
Edward Lincoln Smith	<i>Montpelier, Vt.</i>	26 S.
Floyd Robinson Smith	<i>Jersey City, N. Y.</i>	38 S. M.
George Clark Smith	<i>Newburgh, N. Y.</i>	57 S. M.
William Cromwell Sprague	<i>Ogdensburg, N. Y.</i>	224 D.
Thomas Calhoun Stearns	<i>Tipton, Mo.</i>	119 N.
Walter Gay Stebbins	<i>Springfield, Mass.</i>	216 D.
Philip Battell Stewart	<i>Middlebury, Vt.</i>	173 F.
Edgar Crane Stiles	<i>Hartford</i>	101 N.
William Martin Strauss	<i>Poughkeepsie, N. Y.</i>	39 S. M.
Frederick Cumings Truslow	<i>Brooklyn, N. Y.</i>	218 D.
Rollin Usher Tyler	<i>Tylerville</i>	164 F.
Francis Joseph Vernon	<i>Brooklyn, N. Y.</i>	212 D.
Henry Stephens Washington	<i>New Haven</i>	213 D.
Thomas Glasby Waterman	<i>Detroit, Mich.</i>	180 L.
John Whitmore	<i>New Haven</i>	147 Bradley st.
Frank Edward Wing	<i>Conway, Mass.</i>	227 D.
Dudley Winston	<i>Chicago, Ill.</i>	177 F.
Frederick James Winston	<i>New York City</i>	139 F.
Evans Woollen	<i>Indianapolis, Ind.</i>	107 N.

JUNIOR CLASS

William Maitland Abell	<i>Franklin</i>	88 N. M.
Charles Adams	<i>Litchfield</i>	129 F.
Chandler Parsons Anderson	<i>New York City</i>	229 D.
James Archbald, Jr.	<i>Scranton, Pa.</i>	158 F.
Arthur John Arn	<i>Wyandotte, Kan.</i>	27 S.
Willoughby Babcock	<i>New Haven</i>	90 N. M.
Charles Francis Baldwin	<i>Princeton, Ill.</i>	92 W.
Rodmond Vernon Beach	<i>New Haven</i>	320 Temple st.
Gerald Hamilton Beard	<i>Chicago, Ill.</i>	143 York st.
John Bennetto	<i>New Haven</i>	59 Prospect st.
Elmer Fox Berkele	<i>New Haven</i>	43 S. M.
Lewis Sherrill Bigelow	<i>St. Paul, Minn.</i>	38 Elm st.
Leslie Dayton Bissell	<i>Saxton's River, Vt.</i>	8 S.
Edward Lydston Bliss	<i>Newburyport, Mass.</i>	69 N. M.
Allan Blair Bonar	<i>Marquette, Mich.</i>	146 F.
Dwight Eliot Bowers	<i>New Haven</i>	209 Crown st.
Arthur Wolfe Brady	<i>Muncie, Ind.</i>	73 N. M.
William Sinclair Brigham	<i>Savannah, Ga.</i>	231 D.
William Barrett Brinsmade	<i>Brooklyn, N. Y.</i>	183 L.
Ellis Henry Roberts Brooks	<i>New York City</i>	140 F.
Wilson Brooks	<i>Austin, Texas</i>	251 Crown st.
Carleton Lewis Brownson	<i>New Canaan</i>	130 F.
Edward Lathrop Burke	<i>Chicago, Ill.</i>	42 S. M.
William Savage Burns	<i>Bath, N. Y.</i>	131 F.
Ernest LeRoy Caldwell	<i>Windsor</i>	10 S.
Middleton Arnold Caldwell	<i>Newburyport, Mass.</i>	3 S.
Victor Bush Caldwell	<i>Omaha, Nebr.</i>	84 Wall st.
Schuyler Casemate Carlton	<i>Cleveland, O.</i>	233 D.
Walter Boughton Chambers	<i>Brooklyn, N. Y.</i>	226 D.
Frederick Starkweather Chase	<i>Waterbury</i>	158 F.
Francis Cameron Clarke	<i>Sing Sing, N. Y.</i>	138 F.
Sanford Ellsworth Cobb	<i>Orange, N. Y.</i>	202 D.
Frank Cochrane	<i>Coxsackie, N. Y.</i>	11 S.
Alfred Coit	<i>New London</i>	233 D.
Ira Clifton Copley	<i>Aurora, Ill.</i>	202 D.
William Aaron Cornish	<i>Gillette, N. Y.</i>	72 N. M.
Robert Nelson Corwin	<i>Baiting Hollow, N. Y.</i>	75 N. M.
William Hutchinson Cowles	<i>Chicago, Ill.</i>	16 S.
Alexander Brown Coxe	<i>New York City</i>	203 D.
John Cullinan, Jr.	<i>Bridgeport</i>	82 N. M.
Joseph Thomas Cunningham	<i>Norwich</i>	22 S.
John Hubbard Curtis	<i>New Haven</i>	91 N. M.
Thomas Hamlin Curtis	<i>New Haven</i>	91 N. M.
Henry Alexander Dann	<i>Susquehanna, Pa.</i>	69 N. M.

John Caspar Diehl	<i>Erie, Pa.</i>	121 N.
Willard Robinson Douglass	<i>Leavenworth, Kan.</i>	40 S. M.
Clarence Clark Ferris	<i>Sound Beach</i>	44 S. M.
Harry Burr Ferris	<i>Sound Beach</i>	44 S. M.
Bernard Francis Gaffney	<i>New Britain</i>	47 S. M.
Robert Alexander Gardiner	<i>New Haven</i>	129 Whitney av.
Andrew Frink Gates	<i>Lebanon</i>	7 S.
John Minor Gillespie	<i>Hard Times Landing, La.</i>	161 F.
Clarence Glisan	<i>Portland, Oregon</i>	14 S.
Edward Winchester Goodenough	<i>Winchester</i>	1 S.
Madison Grant	<i>New York City</i>	978 Chapel st.
Robert Beers Gray	<i>Birmingham</i>	4 S.
William Jessup Hand	<i>Scranton, Pa.</i>	230 D.
Clinton Larue Hare	<i>Indianapolis, Ind.</i>	9 S.
Frederic Wells Hart	<i>Plainville</i>	11 S.
Horace Sedgwick Hart	<i>New Haven</i>	14 S.
Clifford Wayne Hartridge	<i>Savannah, Ga.</i>	154 F.
George Griswold Haven, Jr.	<i>New York City</i>	203 D.
Robert Forbes Hawkes	<i>New Haven</i>	44 Trumbull st.
Theodore Stone Hawley	<i>San Francisco, Cal.</i>	32 S.
Frederick Trevor Hill	<i>New York City</i>	2 S.
George Edwin Hill	<i>Stamford</i>	209 D.
Charles Mills Hinkle	<i>Cincinnati, O.</i>	225 D.
Clarke Wesley Holly	<i>Philadelphia, Pa.</i>	152 F.
Frank Clifford Howe	<i>Peoria, Ill.</i>	130 F.
John Howard Hume	<i>Poughkeepsie, N. Y.</i>	162 F.
Albert Gay Hunt	<i>Scranton, Pa.</i>	156 F.
DeWitt Clinton Huntington	<i>West Bingham, Pa.</i>	92 N. M.
Louis Kepler Hyde	<i>Plainfield, N. J.</i>	157 F.
Obed Wilson Irvin	<i>Dayton, O.</i>	97 N.
Henry Ivison	<i>New York City</i>	129 F.
Robert Irving Jenks	<i>Newport, N. H.</i>	162 F.
Charles Bulkley Jennings	<i>Fairfield</i>	209 D.
Oliver Gould Jennings	<i>Fairfield</i>	229 D.
Allen Wardner Johnson	<i>Watertown</i>	73 N. M.
Charles Keeler	<i>Auburn, N. Y.</i>	182 L.
John Bassett Keep	<i>Brooklyn, N. Y.</i>	18 S.
William Burrage Kendall, Jr.	<i>Brooklyn, N. Y.</i>	16 S.
William Kent	<i>San Rafael, Cal.</i>	201 D.
Henry Belden Ketcham	<i>Dover Plains, N. Y.</i>	141 F.
John Scott King	<i>Unionville</i>	4 S.
John Henry Kirkham	<i>Newington</i>	85 N. M.
Charles Asher Knight	<i>Peekskill, N. Y.</i>	15 S.
Samuel Knight	<i>Oakland, Cal.</i>	210 D.
Yan Phou Lee	<i>Fragrant Hills, China</i>	90 N. M.
Alfred Leeds	<i>Stamford</i>	179 L.
Frank Dodge Leffingwell	<i>Montclair, N. J.</i>	13 S.
John Leverett	<i>Binghamton, N. Y.</i>	13 S.
Robert Hart Lewis	<i>New Haven</i>	438 George st.
Charles Henry Ludington, Jr.	<i>New York City</i>	183 L.

William Howard Ludington	<i>New York City</i>	170 F.
James McCormick, Jr.	<i>Harrisburg, Pa.</i>	17 S.
William McCormick	<i>Harrisburg, Pa.</i>	55 S. M.
Robert Maxwell	<i>Rockville</i>	37 S. M.
Henry Lawton May	<i>North Brookfield, Mass.</i>	12 S.
Frank Adams Meacham	<i>Fort Douglas, Utah</i>	146 F.
Joseph Weed Middlebrook	<i>Wilton</i>	15 S.
Clarence Tomlinson Morse	<i>Chicago, Ill.</i>	46 S. M.
Richard Dana Morse, Jr.	<i>Newton Highlands, Mass.</i>	23 S.
George Francis Nesbitt	<i>Kingston, Pa.</i>	145 F.
Edward Hiram Norton, Jr.	<i>Torrington</i>	23 S.
Irving Olmstead	<i>Stamford</i>	131 F.
Homer Tomlinson Partree	<i>Woodbury</i>	43 S. M.
Louis Harman Peet	<i>Brooklyn, N. Y.</i>	71 N. M.
Arthur Reed Pennell	<i>Brunswick, Me.</i>	72 N. M.
Thomas Penney	<i>London, England</i>	92 N. M.
Thomas Norwood Penrose	<i>Philadelphia, Pa.</i>	12 S.
Arthur Perkins	<i>Hartford</i>	49 S. M.
Herbert Farrington Perkins	<i>Harvard, Mass.</i>	138 F.
George Daniel Pettee	<i>Sharon, Mass.</i>	40 S. M.
William Lyon Phelps	<i>New Haven</i>	44 High st.
Frederic Smith Pickett	<i>Tariffville</i>	10 S.
Robert William Playford	<i>Uniontown, Pa.</i>	978 Chapel st.
Frederic Hopkins Pomeroy	<i>Lockport, N. Y.</i>	165 F.
John Norton Pomeroy	<i>San Francisco, Cal.</i>	37 S. M.
Thomas Wyman Porter	<i>Montclair, N. J.</i>	156 F.
Albert Richard Pritchard	<i>Rochester, N. Y.</i>	161 F.
John Rogers, Jr.	<i>Stamford</i>	201 D.
Benjamin Romaine	<i>San Francisco, Cal.</i>	60 S. M.
Edward Tallmadge Root	<i>Springfield, O.</i>	569 Elm st.
Isaac Grant Rosenzweig	<i>Erie, Pa.</i>	121 N.
Thomas Frederick Sanford	<i>Redding</i>	112 N.
Charles Otis Scoville	<i>Montpelier, Vt.</i>	8 S.
William Albert Setchell	<i>Norwich</i>	88 N. M.
Lewis Seymour	<i>Binghamton, N. Y.</i>	210 D.
James Rockwell Sheffield	<i>Utica, N. Y.</i>	208 D.
Walter Bradley Sheppard	<i>Penn Yan, N. Y.</i>	165 F.
John Calhoun Simonds	<i>Charleston, S. C.</i>	145 F.
Frank Clifton Smith	<i>Gurleyville</i>	7 S.
Paul Spencer	<i>Brooklyn, N. Y.</i>	71 N. M.
Fred Sprague	<i>Chicago, Ill.</i>	142 F.
Edward Staehlin	<i>Newark, N. J.</i>	59 Prospect st.
Maximilian Lincoln Stein	<i>Milwaukee, Wisc.</i>	1173 Chapel st.
Thomas Hunt Talmage	<i>Brooklyn, N. Y.</i>	179 L.
William Pirrie Taylor	<i>Southbridge, Mass.</i>	60 S. M.
William Larned Thacher	<i>New Haven</i>	55 S. M.
Richard Simms Thomas	<i>Boonton, N. J.</i>	9 S.
Joseph Lyle Thornton, Jr.	<i>Middletown, O.</i>	27 S.
William Austin Tomes	<i>Brooklyn, N. Y.</i>	18 S.
Charles Louis Torrey	<i>Putnam</i>	113 N.

Howard Crosby Tracy	<i>Plainfield, N. J.</i>	157 F.
Elford Parry Trowbridge	<i>New Haven</i>	215 D.
Francis Bacon Trowbridge	<i>New Haven</i>	284 Crown st.
Wm. Rutherford Hayes Trowbridge, Jr.	<i>New Haven</i>	39 College st.
Frank Day Tuttle	<i>Brooklyn, N. Y.</i>	226 D.
James Johnston Waring, Jr.	<i>Savannah, Ga.</i>	154 F.
William Xenophon Weed	<i>Stamford</i>	60 Lyon st.
Frederic Roger Whittlesey	<i>Southington</i>	85 N. M.
Frederick Searls Woodward	<i>Brooklyn, N. Y.</i>	152 F.
George Stanley Woodward	<i>Wilkesbarre, Pa.</i>	208 D.
Roger Sherman Wotkyns	<i>Chicago, Ill.</i>	142 F.
Warren Samuel Yates	<i>Omaha, Nebr.</i>	84 Wall st.
George Hurlbut Young	<i>New York City</i>	225 D.

JUNIORS, 157.

SOPHOMORE CLASS

Edmund Allen	<i>St. Louis, Mo.</i>	223 D.
Joshua Wilson Allen	<i>Hartford</i>	67 N. M.
Hallock Calvin Alvord	<i>Groversville, N. Y.</i>	98 N.
Edward Francis Ayres	<i>New Canaan</i>	191 C.
Leonard Woolsey Bacon, Jr.	<i>Philadelphia, Pa.</i>	186 C.
William Pitt Baldwin	<i>New Haven</i>	32 Martin st.
Elmore Sherwood Banks	<i>Southport</i>	8 Sylvan av.
Harry Beecher	<i>Brooklyn, N. Y.</i>	220 D.
Jesse Hatch Behrends	<i>Brooklyn, N. Y.</i>	44 Elm st.
Francis Bergstrom	<i>Minneapolis, Minn.</i>	74 N. M.
William Bascom Bissell	<i>Lakeville</i>	66 N. M.
Henry Whiting Boies	<i>Scranton, Pa.</i>	98 N.
Clayton Harcourt Brigham	<i>Savannah, Ga.</i>	1098 Chapel st.
Robert Tillson Brinton	<i>Media, Pa.</i>	34 S.
George Olney Brott	<i>Thompson</i>	81 N. M.
Louis Righter Brown	<i>Auburn, N. Y.</i>	193 C.
Henry Barnard Brownell	<i>Hartford</i>	191 C.
Philip Dibble Bunce	<i>Hartford</i>	192 C.
Winthrop Grant Bushnell	<i>New Haven</i>	45 S. M.
Arthur Kennard Buxton	<i>Brooklyn, N. Y.</i>	629 Chapel st.
William Campbell	<i>New York City</i>	34 S.
Laurance Johnson Carmalt	<i>New Haven</i>	89 Elm st.
John Franklin Carter	<i>Orange, N. J.</i>	109 Elm st.
Benjamin Austin Cheney	<i>New Haven</i>	45 Elm st.
William Spencer Clark	<i>Granby, Mass.</i>	64 S. M.
Albert St. Clair Cook	<i>Hartford</i>	223 York st.
Harlan Ward Cooley	<i>Dubuque, Iowa</i>	187 C.
Charles Edward Cornwall	<i>New Haven</i>	43 Dwight pl.
Willis Gaylord Cosad	<i>Phelps, N. Y.</i>	147 F.
Harry Hall Covell	<i>Rochester, N. Y.</i>	74 N. M.
Samuel Monod Cross	<i>Westerly, R. I.</i>	135 F.
Alfred Anthony Dennis	<i>Woodstock</i>	213 Crown st.

George Perkins Douglas	<i>Minneapolis, Minn.</i>	33 S. M.
Thomas Burnham Enders	<i>Hartford</i>	64 S. M.
Edward Sherman Farrington	<i>Brooklyn, N. Y.</i>	126 High st.
Edward Colton Fellowes	<i>Hartford</i>	190 C.
Dudley Ferguson	<i>Cincinnati, O.</i>	67 N. M.
Irving Fisher	<i>New Haven</i>	115 Park st.
William Howard Fitzgerald	<i>Chicago, Ill.</i>	1098 Chapel st.
George Barber Fowler	<i>Thompsonville</i>	192 C.
Hervey Richards Franklin	<i>North Attleboro, Mass.</i>	151 F.
Asa Oran Gallup	<i>Oneida, N. Y.</i>	76 N. M.
George Metcalf Gill	<i>Orange, N. J.</i>	107 York st.
Josiah Spalding Graham	<i>St. Louis, Mo.</i>	237 Orange st.
Harold Russell Griffith	<i>Springfield, Mass.</i>	109 Elm st.
Henry Huntley Haight	<i>Alameda, Cal.</i>	82 Wall st.
Alfred Hand, Jr.	<i>Scranton, Pa.</i>	230 D.
Daniel Bailey Hardenbergh	<i>Port Jervis, N. Y.</i>	84 N. M.
Eugene Wendell Harter	<i>Albany, N. Y.</i>	61 S. M.
Frank Rufus Herrick	<i>Cleveland, O.</i>	193 C.
James Ormerod Heyworth	<i>Chicago, Ill.</i>	1098 Chapel st.
Frank Wells Hubbard	<i>Litchfield</i>	149 F.
Dorr Albert Hudson	<i>Wakefield, Mass.</i>	63 S. M.
Richard Melancthon Hurd	<i>New York City</i>	82 Wall st.
Moses Jacob Husinsky	<i>New Haven</i>	552 East st.
Orland Sidney Isbell	<i>New Haven</i>	116 Howe st.
John Couzu Kebabian	<i>Rodosto, Turkey</i>	99 N.
Charles Allen Klots	<i>Brooklyn, N. Y.</i>	135 F.
John Jacob Kutz	<i>Reading, Pa.</i>	109 Elm st.
Wolcott Griswold Lane	<i>Sandusky, O.</i>	59 S. M.
Jesse Thomas Lazear	<i>Pittsburgh, Pa.</i>	1157 Chapel st.
Theodore Lockwood Leverett	<i>Binghamton, N. Y.</i>	20 S.
Clarence Wyman Lincoln	<i>Philadelphia, Pa.</i>	64 High st.
George Horace Lorimer	<i>Chicago, Ill.</i>	120 York st.
William Loving, Jr.	<i>St. Joseph, Mo.</i>	81 N. M.
Albert Charles Lux	<i>Clyde, N. Y.</i>	62 S. M.
Harry Weber McCauley	<i>Reading, Pa.</i>	48 S. M.
Charles Berghaus McConkey	<i>Harrisburg, Pa.</i>	149 F.
Joseph McElroy, Jr.	<i>Kansas City, Mo.</i>	35 High st.
James Howard McMillan	<i>Detroit, Mich.</i>	1002 Chapel st.
William Davis Manro	<i>Auburn, N. Y.</i>	56 S. M.
Frederic William Mar	<i>West Haven</i>	99 N.
Gard Maynard	<i>Marquette, Mich.</i>	112 N.
Duncan Salisbury Merwin	<i>New Haven</i>	387 Temple st.
Carl Meyer	<i>Chicago, Ill.</i>	126 High st.
Frank Vincent Millard	<i>Tarrytown, N. Y.</i>	48 S. M.
Arthur Lewis Moore	<i>New York City</i>	59 S. M.
David Whipple Morison	<i>Minneapolis, Minn.</i>	1098 Chapel st.
Charles Neave	<i>Cincinnati, O.</i>	123 N.
Harold VanMeter Ogden	<i>Chicago, Ill.</i>	151 F.
Frederic Holmes Paine	<i>Bangor, Me.</i>	45 S. M.

Lucius Noyes Palmer	Brooklyn, N. Y.	24 S.
Frank Ilsley Paradise	Andover, Mass.	190 C.
William Andrews Parshall	Port Jervis, N. Y.	84 N. M.
Edwin Parsons	New York City	161 Orange st.
George Madison Pavey	Washington C. H., O.	139 Elm st.
Harrison Grey Platt	Milford	62 S. M.
Edward Pond	San Francisco, Cal.	201 Orange st.
Philip Pond	New Haven	220 Whalley av.
Herbert Warren Porter	Bridgeport	188 C.
Alfred Raymond	Brooklyn, N. Y.	64 High st.
Thomas Emerson Ripley	Rutland, Vt.	187 C.
Samuel Sidney Breese Roby	Rochester, N. Y.	172 F.
William Henry Rumpf, Jr.	Brooklyn, N. Y.	126 High st.
Benjamin William Schwab	New York City	123 N.
James Robert Seeley	Bridgeport	188 C.
William Henry Seward, Jr.	Auburn, N. Y.	182 L.
Edward Leland Smith	Ansonia	33 S.
Fred Palmer Solley	Orange, N. J.	107 York st.
Hugh Spencer	Corning, N. Y.	191 C.
Amos Alonzo Stagg	Orange, N. J.	138 York st.
Leo Stein	Chicago, Ill.	126 High st.
Bernard Christian Steiner	Baltimore, Md.	61 S. M.
Henry Ebenezer Stevens, Jr.	New York City	76 N. M.
Edward Albert Stevenson	Brooklyn, N. Y.	10 Howe st.
Frederic Augustus Stevenson	Brooklyn, N. Y.	10 Howe st.
Henry Lewis Stimson	New York City	172 F.
William Stephen Stone	New Britain	35 High st.
John Hudson Storer	Norwich	186 C.
Henry Strunz	Bristol	114 N.
Eliphalet Bradford Terry	Brooklyn, N. Y.	90 High st.
Edward Seymour Thomas	Providence, R. I.	41 S. M.
Hector William Thomas	New York City	24 S.
Frank Lincoln Thompson	Denver, Col.	189 C.
Frank Burr Tibbals	New Haven	87 Trumbull st.
Edward Montclair Tillinghast	Hope Valley, R. I.	44 Elm st.
Herbert Cushing Tolman	Hanover, Mass.	138 College st.
Willard Lamb Velie	Moline, Ill.	242 York st.
Fred Ayer Verplanck	Franklin	147 F.
William Miller Vinton	Athol, Mass.	56 S. M.
Morison Remich Waite, Jr.	Toledo, O.	20 S.
Samuel Johnson Walker	Chicago, Ill.	223 D.
Frederic William Wallace	Ansonia	254 York st.
Brownlee Robertson Ward	New Haven	138 Temple st.
Asher Miner Wellman	Friendship, N. Y.	A.
Monroe Nichols Wetmore	Lebanon	66 N. M.
Arthur White	Brooklyn, N. Y.	220 D.
Porter Gouverneur Willett	Buffalo, N. Y.	143 College st.
Frank Lincoln Woodward	Denver, Col.	41 S. M.
Ephraim Miller Youmans	New York City	68 N. M.

FRESHMAN CLASS

Burr Reeve Abbe, Jr.	<i>Hartford</i>	74 Howe st.
William Whitney Ames	<i>Rockville</i>	I TR.
William Lucius Armstrong	<i>Cleveland, O.</i>	III N.
Henry Cornelius Atkins	<i>Indianapolis, Ind.</i>	128 N.
Arnold Plumer Austin	<i>Philadelphia, Pa.</i>	242 York st.
John Wallace Banks	<i>Guilford</i>	409 Temple st.
Donald McLean Barstow	<i>Flushing, N. Y.</i>	74 High st.
Horace Bennet Bartholomew	<i>Pottsville, Pa.</i>	395 Temple st.
John William Beckwith	<i>Chicago, Ill.</i>	1136 Chapel st.
Freeman Davidson Beerman	<i>Gouverneur, N. Y.</i>	61 Prospect st.
Ernest Smith Bishop	<i>Guilford</i>	409 Temple st.
Nathaniel Wheeler Bishop	<i>Bridgeport</i>	242 York st.
Dwight Walter Bissell	<i>Ahmednagar, India</i>	81 Wall st.
Lester Bradner, Jr.	<i>Dausville, N. Y.</i>	361 Temple st.
Walter Shaw Brewster	<i>Brooklyn, N. Y.</i>	252 York st.
Charles Twing Brooks	<i>Salem, O.</i>	72 High st.
Embury Browning	<i>Poughkeepsie, N. Y.</i>	120 High st.
Thomas Walter Buchanan	<i>Albany, Vt.</i>	80 N. M.
Kenneth Page Chumasero	<i>Chicago, Ill.</i>	1157 Chapel st.
Augustus Coburn	<i>Indianapolis, Ind.</i>	133 Collège st.
George Coggill	<i>New York City</i>	74 High st.
Walter Joseph Connor	<i>New Haven</i>	1439 State st.
William Herbert Corbin	<i>Hartford</i>	77 N. M.
Safford Arnold Crummey	<i>Poughkeepsie, N. Y.</i>	15 Home pl.
Thomas Mitchell Cullinan	<i>Bridgeport</i>	82 N. M.
William John Fletcher Dailey	<i>New York City</i>	223 York st.
William Chester DeForest Dickinson	<i>New Haven</i>	17 Ward st.
Thomas Elliott Donnelley	<i>Chicago, Ill.</i>	108 Dixwell av.
Eugene Henry Dupee	<i>Chicago, Ill.</i>	25 High st.
Louis Cazenove duPont	<i>Wilmington, Del.</i>	109 Wall st.
Frederick Wesley Ellis	<i>Ansonia</i>	65 Olive st.
Joseph Ralph Ensign	<i>Simsbury</i>	18 Trumbull st.
Joseph Grant Ewing	<i>Harrisburg, Pa.</i>	123 York st.
Samuel Herbert Fisher	<i>Cincinnati, O.</i>	231 York st.
Romayne Edwin Fitzgerald	<i>Chicago, Ill.</i>	120 York st.
Claude Lamot Forbes	<i>Canastota, N. Y.</i>	26 Academy st.
Leopold Joseph Francke	<i>New York City</i>	237 D.
Albert Myrick Freeman	<i>Provincetown, Mass.</i>	80 N. M.
John Randolph Galt	<i>Newburgh, N. Y.</i>	74 High st.
Edward James Gavegan	<i>Rockville</i>	110 N.
Charles Otis Gill	<i>Orange, N. J.</i>	107 York st.
Porter Beach Godard	<i>North Granby</i>	110 N.
William Brownell Goodwin	<i>Hartford</i>	82 Wall st.
John Cornelius Griggs	<i>Terryville</i>	77 N. M.

Robert Foote Griggs	<i>Waterbury</i>	295 York st.
Robert Hartshorne	<i>Highlands, N. J.</i>	79 N. M.
Charles Hegamin, Jr.	<i>Troy, N. Y.</i>	480 Elm st.
Edward Barrett Hinckley	<i>Northampton, Mass.</i>	92 York sq.
Howland Hoadley	<i>New York City</i>	126 N.
Jefferson Carter Hosea	<i>St. Joseph, Mo.</i>	192 York st.
Leverett Lord Hull	<i>Cincinnati, O.</i>	25 High st.
Joseph Selden Huntington, Jr.	<i>Lyme</i>	134 College st.
Robert Watkinson Huntington, Jr.	<i>Hartford</i>	109 N.
John DeCourcy Ireland	<i>New York City</i>	120 York st.
Ralph Isham	<i>Chicago, Ill.</i>	254 York st.
Benjamin Willard Jacobs	<i>Denver, Col.</i>	74 High st.
Arthur Edmands Jenks	<i>Brockton, Mass.</i>	62 Dwight st.
James Henry Keefe	<i>Chester, Mass.</i>	20 Whalley av.
George Jewett Kennedy	<i>Buffalo, N. Y.</i>	133 College st.
Charles Foster Kent	<i>Palmyra, N. Y.</i>	364 George st.
Charles Sherman King	<i>Wabash, Ind.</i>	252 York st.
Charles Chandler Griswold Lane	<i>Sandusky, O.</i>	111 N.
Elmer Francis Letcher	<i>Southbridge, Mass.</i>	41 High st.
Fred Nye Lindsay	<i>Troy, N. Y.</i>	94 N. M.
Olaus Edward Loe	<i>Grand Meadow, Minn.</i>	53 Prospect st.
Joseph Wilson Lucas	<i>Philadelphia, Pa.</i>	391 Temple st.
Robert Lee Luce	<i>Hartwick, N. Y.</i>	20 Whalley av.
Eugene Emile McCandliss	<i>Philadelphia, Pa.</i>	133 College st.
Percy Webb McClellan	<i>Woodstock</i>	213 Crown st.
Joseph Sprigg McMahon	<i>Dayton, O.</i>	61 Grove st.
William Adolph McQuaid	<i>New Haven</i>	20 Gilbert av.
Henry Latham Magruder	<i>Chicago, Ill.</i>	252 York st.
Henry Eager Mason	<i>Chicago, Ill.</i>	252 York st.
William Ross Matson	<i>Hartford</i>	76 High st.
Mark Edward Merrifield	<i>New York City</i>	257 Church st.
John Fuller Appleton Merrill	<i>Portland, Me.</i>	223 York st.
William Clifford Moore	<i>New York City</i>	109 Elm st.
Augustus Henry Mosle	<i>New York City</i>	114 College st.
Ashbel Barney Newell	<i>Chicago, Ill.</i>	242 York st.
Harry Ford Noyes	<i>Georgetown, Mass.</i>	95 N. M.
John Ball Osborne	<i>Wilkesbarre, Pa.</i>	9 Elm st.
William Herbert Page	<i>Ironton, O.</i>	89 Temple st.
Edward Lambe Parsons	<i>New Rochelle, N. Y.</i>	74 High st.
Charles Cook Paulding	<i>Peekskill, N. Y.</i>	109 Elm st.
George Clarke Péck	<i>New Haven</i>	224 Oak st.
Israel Hyman Peres	<i>Memphis, Tenn.</i>	238 York st.
Gifford Pinchot	<i>New York City</i>	90 High st.
Robert Treat Platt	<i>Milford</i>	Milford
Samuel Newman Pond	<i>Falls Church, Va.</i>	95 N. M.
Endicott Greenwood Putnam	<i>Brooklyn, N. Y.</i>	134 College st.
Harry Lathrop Reed	<i>Manchester, Vt.</i>	78 N. M.
Charles G. Reynolds	<i>Wolcott, N. Y.</i>	63 Prospect st.
Oliver Huntington Richardson	<i>New Britain</i>	35 High st.

Henry Seymour Robinson	<i>Hartford</i>	76 High st.
William Hayden Rockwell	<i>New York City</i>	114 College st.
James Gamble Rogers	<i>Chicago, Ill.</i>	128 N.
Robert Ogden Rogers	<i>Scarborough, N. Y.</i>	120 High st.
Henry Judson Sage	<i>Cincinnati, O.</i>	231 York st.
Frederic Henry Sanford	<i>Palmyra, N. Y.</i>	111 York st.
William Davis Sawyer	<i>Dover, N. H.</i>	391 Temple st.
Edmund Daniel Scott	<i>New Haven</i>	44 Vernon st.
Frederick Andrew Scott	<i>Terryville</i>	93 N. M.
Edward Ewing Sears	<i>Northampton, Mass.</i>	87 Trumbull st.
Thomas Gaskell Shearman	<i>Brooklyn, N. Y.</i>	150 College st.
Charles Hitchcock Sherrill, Jr.	<i>Washington, D. C.</i>	124 High st.
Charles Sanford Skilton	<i>Northampton, Mass.</i>	94 N. M.
Albert Leroy Skinner	<i>New Haven</i>	414 Orchard st.
Herbert Augustine Smith	<i>Worcester, Mass.</i>	127 N.
Samuel Lewis Smith	<i>Cleveland, O.</i>	391 Temple st.
Langdon Trufant Snipe	<i>Bath, Me.</i>	125 N.
Frederick Nelson Squire	<i>Stamford</i>	74 High st.
Horace Sheldon Stokes	<i>Detroit, Mich.</i>	76 High st.
Lewis Austin Storrs	<i>Hartford</i>	93 N. M.
Randolph Wanton Townsend	<i>New York City</i>	126 N.
Joseph Parsons Tuttle	<i>Unionville</i>	12 Lincoln st.
John Underhill	<i>Bath, N. Y.</i>	393 Temple st.
Charles Abernethy Valentine	<i>New York City</i>	154 Grove st.
Howard Wills Vernon	<i>Brooklyn, N. Y.</i>	96 N. M.
Horace Fletcher Walker	<i>Detroit, Mich.</i>	192 York st.
Thomas Pinckney Waring	<i>Savannah, Ga.</i>	1079 Chapel st.
Charles Milnor Washington	<i>New Haven</i>	251 Church st.
George Alvin Watkinson	<i>New Haven</i>	58 Dwight pl.
Lewis Sheldon Welch	<i>Hartford</i>	109 N.
Philip Patterson Wells	<i>Louisville, Ky.</i>	127 N.
DeWitt Clinton West	<i>Lowville, N. Y.</i>	155 Elm st.
Edmund Burr White	<i>Holbrook, Mass.</i>	76 Howe st.
James Thomas Whittlesey	<i>Washington, D. C.</i>	125 N.
Howard Hunter Williams	<i>North Adams, Mass.</i>	79 N. M.
William Carver Williams	<i>Kent, O.</i>	337 Crown st.
Albert Jason Willson	<i>Marion, Ind.</i>	35 High st.
Joseph Lafon Winchell	<i>New Haven</i>	36½ Clark st.
Andrew Ludwig Winters	<i>Reading, Pa.</i>	96 N. M.
George Washington Woodruff	<i>Dimock, Pa.</i>	78 N. M.
Horace Wylie	<i>Washington, D. C.</i>	124 High st.

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GRADUATE STUDENTS

Charles Backus Ball, PH.B.	<i>Washington, D. C.</i>	A.
Samuel Eben Barney, C.E.	<i>New Haven</i>	363 Elm st.
John Bartholomew, PH.B.	<i>Hudson, N. Y.</i>	A.
Joseph Augustus Blake, B.A.	<i>New Haven</i>	134 College st.
Malcom Booth, PH.B.	<i>Cheshire</i>	Cheshire
Albert Park Campbell, PH.B.	<i>New Haven</i>	28 York sq.
Herbert DeWitt Carrington, PH.B.	<i>New Haven</i>	1169 Chapel st.
George Wyckoff Cummins, PH.B.	<i>Vienna, N. J.</i>	297 York st.
Arnold Guyot Dana, B.A.	<i>New Haven</i>	24 Hillhouse av.
Henry Holbrook Gladding, PH.B.	<i>New Haven</i>	270 Martin st.
Duane Judson Kelsey, PH.B.	<i>Killingworth</i>	Killingworth
Yung Kwai, B.A.	<i>Kwongtung, China</i>	318 George st.
William Ellison Lockwood, PH.B., M.D.	<i>Stamford</i>	146 Dixwell av.
William Wallace Nichols, PH.B.	<i>Manitou Springs, Col.</i>	A.
Louis Valentine Pirsson, PH.B.	<i>New York City</i>	8 Prospect pl.
Charles Gideon Rupert, PH.B.	<i>New Market, Va.</i>	109 High st.
James Alward Seymour, PH.B.	<i>Auburn, N. Y.</i>	114 High st.
William Tuttle Shepard, PH.B.	<i>Bristol</i>	17 College st.
John Prentice Terry, PH.B.	<i>Brooklyn, N. Y.</i>	90 High st.
George Elliot Verrill, PH.B.	<i>New Haven</i>	86 Whalley av.
Frederick Brewster Wheeler, PH.B.	<i>Monroe</i>	409 Temple st.
Henry Howard Whitehouse, PH.B.	<i>Hartford</i>	N. S. H.
Samuel Hubbard Williams, B.A. } Amherst College	<i>Glastonbury</i>	128 High st.

GRADUATE STUDENTS, 23

SENIOR CLASS

William Allender	<i>New London</i>	68 w.
Gilbert Lincoln Husted Arnold	<i>Stamford</i>	107 Olive st.
William Wallace Atterbury	<i>Detroit, Mich.</i>	389 Temple st.
Silas Warren Bartlett	<i>South Orange, N. J.</i>	46 Elm st.
Henry William Blake	<i>New Haven</i>	119 w.
John Marvin Blakeley	<i>St. Paul, Minn.</i>	46 Elm st.
Howard Cone Bolton	<i>Cleveland, O.</i>	65 w.
Percival Ranney Bolton	<i>Cleveland, O.</i>	65 w.
Louis Whitford Bond	<i>New York City</i>	61 w.
Thomas Stoddard Bronson	<i>New Haven</i>	1460 Chapel st.
Harry Lockwood Burns	<i>Milford</i>	63 Prospect st.
Silas Enoch Burrows	<i>Mystic</i>	1010 Chapel st.
Lewis Emerson Cadwell	<i>New Haven</i>	106 Liberty st.
Theodore Newton Case	<i>Hartford</i>	287 York st.
John Chamberlain	<i>Kansas City, Mo.</i>	389 Temple st.
Frederick William Darlington	<i>West Chester, Pa.</i>	289 York st.
Alexander Harrison Davis	<i>Watertown</i>	116 w.
John Edwin Doane	<i>Chicago, Ill.</i>	36 Elm st.

Joseph Osterman Dyer	Galveston, Tex.	55 Insurance Building
Joseph Essex Fitzsimons	Waterbury	107 Olive st.
Robert Elder Forster	Harrisburg, Pa.	44 Elm st.
William Washington Gordon, 3d	Savannah, Ga.	43 College st.
James Eugene Greenebaum	Chicago, Ill.	63 w.
Everett Mason Grimes	Oakland, Cal.	64 High st.
Harry Cloyd Hamill	Georgetown, Col.	287 York st.
David Neil Harper	Shippensburg, Pa.	297 York st.
Frank Sperry Harrison	New Haven	562 Chapel st.
Willis Benjamin Herr	Denver, Col.	287 York st.
Jay Russell Hickox	South Britain	270 Martin st.
William Brisbane Hickox	Litchfield	64 w.
William Barlow Hill	Greenfield Hill	17 College st.
Abraham Lincoln Howes	Black Rock	389 Temple st.
William Evelyn Hutchings	Louisville, Ky.	43 College st.
Morison Thomas Hutchinson	Brooklyn, N. Y.	36 Elm st.
Abraham Lincoln Hyde	New Haven	179 Washington st.
William David Johnson	New Haven	92 Rosette st.
Thomas Coggeshall Knowles	San Francisco, Cal.	389 Temple st.
Harrie Sheldon Leonard	Washington, D. C.	90 Wall st.
Cornelius Fay Lynde	Rock Island, Ill.	1187 Chapel st.
Mahlon Henry Marlin	New Haven	236 George st.
Frederick Anderson Marsh	Kansas City, Mo.	1187 Chapel st.
Conrad Henry Matthiessen	Cornwall, N. Y.	36 Elm st.
Edwin Frank Meyer	Chicago, Ill.	66 w.
George Perkins Miller	Utica, N. Y.	85 w.
Henry White Patten	North Haven	36 Elm st.
George Eustis Potts	Philadelphia, Pa.	71 w.
William Acker Rice	St. Paul, Minn.	36 Elm st.
Arthur Jones Richmond	Providence, R. I.	43 College st.
Samuel Bostwick Robbins	Lakeville	119 w.
Reginald Ronalds	New York City	43 College st.
Alexander Holley Rudd	Lakeville	389 Temple st.
Henry Rustin	Omaha, Nebr.	64 High st.
Emanuel Frank Selz	Chicago, Ill.	66 w.
Edwin Coupland Shaw	Buffalo, N. Y.	389 Temple st.
William Sanders Tevis	San Francisco, Cal.	36 Elm st.
John Metcalfe Thomas	New York City	43 College st.
Calvert Townley	Cincinnati, O.	101 w.
George Pollok Devereux Townsend	Middletown	101 w.
Thomas Brodhead VanBuren, Jr.	Englewood, N. J.	43 College st.
Henry Hayes Wadsworth	Glencoe, Minn.	Allingtown
Charles Willcox	Omaha, Nebr.	43 College st.
Rockwell Amasa Williams	Canterbury	61 Prospect st.
Willis Stoughton Williams	Minneapolis, Minn.	46 Elm st.

JUNIOR CLASS

Henry Frederick Adams	<i>Westport</i>	113 York st.
Robert Clayton Augur	<i>West Haven</i>	West Haven
Elmer Ellsworth Bennett	<i>Plainfield</i>	126 High st.
Walter Pierpont Bigelow	<i>New Haven</i>	278 Orange st.
Herbert Spencer Bullard	<i>Hartford</i>	1136 Chapel st.
Lewis Alexander Burgess	<i>Newark, N. J.</i>	55 W.
Richard Augustus Chapman	<i>Rye, N. Y.</i>	64 W.
William Henry Coburn	<i>Indianapolis, Ind.</i>	133 College st.
Harry Fitch Coleman	<i>Logansport, Ind.</i>	223 York st.
Lewis Atterbury Conner	<i>New Albany, Ind.</i>	389 Temple st.
David Mark Cummings	<i>Chicago, Ill.</i>	36 Elm st.
Julius Gilbert Day	<i>Seymour</i>	205 Orange st.
William Greenhow Doane	<i>Omaha, Nebr.</i>	64 High st.
Edward Warburton Durant, Jr.	<i>Stillwater, Minn.</i>	43 College st.
Isadore Dyer, Jr.	<i>Galveston, Tex.</i>	31 Trumbull st.
Arthur Mansfield Everit	<i>New Haven</i>	109 Elm st.
Raymond Thomson French	<i>Seymour</i>	36 Elm st.
Francis Frederic Georger	<i>New York City</i>	36 Elm st.
Robert Fisher Gibson	<i>York, Pa.</i>	297 York st.
Charles Joseph Goldmark	<i>New York City</i>	57 W.
Wilfred Elizur Griggs	<i>Waterbury</i>	55 Insurance Building
George Conradt Ham	<i>Washington Hollow, N. Y.</i>	44 Elm st.
Harry Leon Hamlin	<i>Chicago, Ill.</i>	43 College st.
Edgar Burton Harger	<i>Oxford</i>	150 College st.
Herbert Leopold Hart	<i>Chicago, Ill.</i>	63 W.
James Henry Hayden	<i>New York City</i>	58 W.
Joseph Cooke Jackson, Jr.	<i>New York City</i>	60 W.
Lawrence Bates Jenckes	<i>Stamford</i>	64 W.
Leonard Abbot Jenkins	<i>Dresden, Saxony</i>	124 W.
Charles Sherman Jewett	<i>Buffalo, N. Y.</i>	143 College st.
John Edwin Judson	<i>New Haven</i>	142 St. John st.
Frederick Sheffield Kellogg	<i>Utica, N. Y.</i>	43 College st.
Grayson Guthrie Knapp	<i>Auburn, N. Y.</i>	86 W.
Charles Wilbur Knox	<i>Pittsburgh, Pa.</i>	36 Elm st.
John Stewart Kulp	<i>Wilkesbarre, Pa.</i>	1161 Chapel st.
Isaac Eugene Leonard	<i>Chicago, Ill.</i>	203 York st.
Edward Linsley Maltby	<i>Northford</i>	297 York st.
Harry Zeller Marshall	<i>Dayton, O.</i>	90 Wali st.
Harley James Morrison	<i>Cincinnati, O.</i>	60 W.
William Partridge Ordway	<i>Boston, Mass.</i>	36 Elm st.
Edward Horatio Parker	<i>Detroit, Mich.</i>	43 College st.
Edmund Bishop Patterson	<i>Allegheny City, Pa.</i>	8 Prospect pl.
Frank Adelbert Paul	<i>New Haven</i>	27 Washington st.
Charles Eugene Phillips	<i>Southington</i>	14 Prospect pl.
William Thomas Rainey	<i>Cleveland, O.</i>	68 W.

Frank Clark Reed	<i>Pittsburgh, Pa.</i>	203 York st.
Harris Smith Reynolds	<i>Poughkeepsie, N. Y.</i>	43 College st.
George Brinckerhoff Richards	<i>New Haven</i>	43 Elm st.
John Robert Wheaton Sargent	<i>Chicago, Ill.</i>	36 Elm st.
William Marcelin Scaife	<i>Allegheny City, Pa.</i>	203 York st.
Oscar Harmon Short	<i>New York City</i>	43 College st.
Edward Arthur Smith	<i>Middletown</i>	8 Prospect pl.
Frink Mansfield Smith	<i>East Haven</i>	East Haven
George H. Smith	<i>Canajoharie, N. Y.</i>	43 College st.
Erwin Starr Sperry	<i>Ansonia</i>	41 High st.
Merton Pierpont Stevens	<i>New Haven</i>	561 Howard av.
Arthur Peale Summers	<i>Colorado Springs, Col.</i>	126 High st.
William Conquest Tucker	<i>New York City</i>	86 w.
Howard Beecher Tuttle	<i>Naugatuck</i>	242 York st.
Alfred John Wakeman	<i>Green's Farms</i>	113 York st.
Frank Otto Walther	<i>Brooklyn, N. Y.</i>	203 York st.
Nathaniel P. Washburn	<i>Bridgewater, Mass.</i>	223 York st.
Frank Warren Wentworth	<i>Chicago, Ill.</i>	1161 Chapel st.
Edward Gilbert Williams	<i>Essex</i>	47 Stanley st.
George Henry Wood	<i>Dayton, O.</i>	124 w.

JUNIORS, 65

FRESHMAN CLASS

Arthur Chambers Alexander	<i>Honolulu, H. I.</i>	59 Prospect st.
John Childe Anderson	<i>Sing Sing, N. Y.</i>	59 w.
Joseph Albright Archbald	<i>Scranton, Pa.</i>	223 York st.
Gardner Ball, Jr.	<i>San Francisco, Cal.</i>	109 Wall st.
William Hill Bean	<i>New Haven</i>	40 Pleasant st.
Charles Bart Berger	<i>Denver, Col.</i>	201 Orange st.
George Bart Berger	<i>Denver, Col.</i>	201 Orange st.
Theodore Whitney Blake	<i>New Haven</i>	134 College st.
Marshall Latham Bond	<i>New York City</i>	61 w.
William Tillinghast Bull	<i>Newport, R. I.</i>	143 York st.
George Robert Carter	<i>Honolulu, H. I.</i>	107 Wall st.
William Clarke Catlin	<i>Providence, R. I.</i>	39 Lynwood st.
James Henry Coleman	<i>New York City</i>	9 Elm st.
George David Colton	<i>Collinsville</i>	1169 Chapel st.
John Nesbitt Conyngham	<i>Wilkesbarre, Pa.</i>	120 High st.
Charles Edward Curtis	<i>New Haven</i>	138 Dwight st.
Richard Sydney Curtiss	<i>Stratford</i>	59 Prospect st.
Jesse Chase Dann	<i>Buffalo, N. Y.</i>	421 Temple st.
Henry Lewis Davis	<i>Wallingford</i>	103 Wall st.
George Howard Davison	<i>New York City</i>	14 Lincoln st.
William Henry Davol, Jr.	<i>Brooklyn, N. Y.</i>	103 Wall st.
Carlton Melville DeWolf	<i>New York City</i>	84 Wall st.

Robert Russel Dickey	Dayton, O.	237 Orange st.
John Eufemio Dockendorff	Brooklyn, N. Y.	552 Chapel st.
John Ambrose Doolittle	New Haven	219 Orange st.
John Feeter Easterbrook	New Haven	82 York sq.
Frank Harold Farquhar	York, Pa.	114 High st.
John Ellis Field	Denver, Col.	393 Temple st.
Richard Huntington Franchot	Schenectady, N. Y.	62 w.
Pedro Florentino Francke	New York City	74 High st.
Deane Funk	McLean, Ill.	395 Temple st.
Henry Kellogg Goetchius	New York City	86 Wall st.
James Douglas Gold	West Cornwall	65 Grove st.
Addison Graves	New London	56 w.
Franklin Moses Gray	Chicago, Ill.	393 Temple st.
Howard Greer, Jr.	Chicago, Ill.	6 Prospect pl.
Matthew Griswold, Jr.	Erie, Pa.	150 College st.
Stephen Benedict Grummond, Jr.	Detroit, Mich.	395 Temple st.
Fred R. Hamlin	Chicago, Ill.	1179 Chapel st.
Charles Merritt Heminway	Watertown	237 Orange st.
Edwin Richard Hodge	Washington, D. C.	8 Prospect pl.
Noble Foster Hoggson	New Haven	126 York st.
George Snowden Howland	Newport, R. I.	117 Elm st.
Howard Livingstone Isbell	Union City	26 Ridge st., Cedar Hill
Harry Garrybrant Jenner	Dayton, O.	125 Dwight st.
Harry Lydstone Johnson	New Haven	25 Eld st.
Cyrus Field Judson	New York City	61 Grove st.
George Converse Kimball	Hartford	219 York st.
Felix Kleeberg	New Haven	14 Orange st.
Thomas Albert Legler	Dayton, O.	237 Orange st.
Louis LeSassier	New Orleans, La.	393 Temple st.
Edwin Hoyt Lockwood	New Canaan	59 Prospect st.
Samuel Harkness McCrea, Jr.	Chicago, Ill.	55 Trumbull st.
George Grant Mason	Milburn, Ill.	136 College st.
William Smith Mason	Milburn, Ill.	136 College st.
Charles Griffin Miller	New Rochelle, N. Y.	421 Temple st.
Charles Edward Montgomery	San Francisco, Cal.	76 Howe st.
Edward Steward Moore	New London	56 w.
Augustus Lester Moss	Sandusky, O.	62 w.
James Augustus Nelson	Bridgeport	146 York st.
Edward Marshall Ney	Hartford	154 Grove st.
Charles Norris, Jr.	New York City	150 College st.
Elbert Ellsworth Norton	New Haven	33 Pearl st.
Selden Yale Osborn	New Haven	232 York st.
Frank Wyman Parmerter	Plattsburgh, N. Y.	39 Lynwood st.
John Erskine Patrick	Omaha, Nebr.	64 High st.
Daniel Tucker Coffin Perkins	San Francisco, Cal.	82 Wall st.
Francis Cole Pratt	Hartford	223 York st.
John Goodell Prouty	Spencer, Mass.	237 Orange st.
Edwin Wright Robinson	New Haven	255 Ferry st.
Solomon Franklin Rupert	New Market, Va.	109 High st.

Henry Pinney Sage	New Haven	42 College st.
Henry Charles Schwab	Chicago, Ill.	160 Wooster st.
Charles Kirtland Shelton	Bridgeport	103 Wall st.
Shiukichi Shigemi	Imabari, Japan	330 Orange st.
Orville Emerson Sloat	New Haven	183 Wooster st.
Ernest Ellsworth Smith	New Haven	16 Hughes pl.
Percey Franklyn Smith	New Haven	4 Home pl.
Ralph Hebert Smith	Waterbury	295 York st.
Frederick William Spanutius	New Haven	180 Chestnut st.
Stanley Matthews Stagg	Frankfort, Ky.	201 Orange st.
Charles Weaver Stewart	Newport, R. I.	143 York st.
Howard Canning Taylor	Green's Farms	113 York st.
George Parker Thompson	New York City	152 Grove st.
Charles Alling Tuttle	New Haven	364 Orchard st.
Morgan Walcott	New York City	389 Temple st.
Frank Nehemiah Waterman	New Britain	35 High st.
Charles Spencer Wells	Southport	86 Whitney av.
Ralph McIntosh Wilcox	Portland	254 York st.
Hubert Kip Wood	Cleveland, O.	136 College st.
Frank Clark Woodruff	Orange	41 High st.
Albert Joseph Young	Evanston, Ill.	55 Trumbull st.

FRESHMEN, 92

SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE

Joseph Stanley Brown	Washington, D. C.	S. H.
Abner Reeder Chambers, Jr.	Trenton, N. J.	59 Grove st.
Frank Cramer	Appleton, Wisc.	112 Davenport av.
Harvey Farrington	Croton, N. Y.	64 High st.
Ludwig Otterson Kellogg	San Francisco, Cal.	36 Elm st.
Francis Timothy Smith	Simsbury	7 Pearl st.
Warren A. Spalding	New Haven	89 Church st.
Francis Lewis Sperry	Tallmadge, Ohio	9 Library st.

SPECIAL STUDENTS, 8

SUMMARY

Graduates,	-	-	-	-	-	23
Seniors,	-	-	-	-	-	63
Juniors,	-	-	-	-	-	65
Freshmen,	-	-	-	-	-	92
Special,	-	-	-	-	-	8
						251

SCHOOL OF THE FINE ARTS

FACULTY

REV. NOAH PORTER, D.D., LL.D., PRESIDENT

JOHN F. WEIR, N.A., M.A., DIRECTOR

REV. JAMES M. HOPPIN, D.D.

JOHN H. NIEMEYER, M.A.

FREDERIC R. HONEY, PH.B., *Instructor in Perspective*

JOHN P. C. FOSTER, M.D., *Instructor in Anatomy*

HARRISON W. LINDSLEY, C.E., *Instructor in Architecture*

STUDENTS

Maud A. Allan,	<i>New Haven</i>
J. Alfred Barkentin,	<i>New Haven</i>
Clara M. Barnes,	<i>New Haven</i>
Nettie E. Barnum,	<i>Milford</i>
Robert Y. Barrows,	<i>New Haven</i>
Frank C. Boardman,	<i>Cromwell</i>
Annie D. Bradley,	<i>New Haven</i>
Robert F. Brainerd,	<i>Westchester</i>
Susan J. Candee,	<i>New Haven</i>
Mary F. Carew,	<i>New Haven</i>
Charles F. Carter,	<i>Waterbury</i>
Alice G. Cartwright,	<i>Stamford</i>
Ernest F. Coe,	<i>New Haven</i>
Louise P. Davenport,	<i>Stamford</i>
Elizabeth Davies,	<i>Topeka, Kan.</i>
Clara R. Durgy,	<i>New Haven</i>
Elizabeth T. Eaton,	<i>New Haven</i>
Mary E. Hobson,	<i>Wallingford</i>
Josephine M. Lewis,	<i>New Haven</i>
Clara B. Lines,	<i>Meriden</i>
William Loring, Jr.,	<i>St. Joseph, Mo.</i>
Mary A. MacFarland,	<i>New Haven</i>
Virginia B. Means,	<i>New Haven</i>
Minnie L. Miles,	<i>Milford</i>
Daniel A. Moore,	<i>St. Louis, Mo.</i>
Elizabeth S. Newberry,	<i>New Haven</i>

Etta Osborne,	<i>Wallingford</i>
Elizabeth S. Pitman,	<i>New Haven</i>
Florence A. Pond,	<i>Milford</i>
Martha J. Potter,	<i>New Haven</i>
Annie C. Punderford,	<i>New Haven</i>
Bela L. Pratt,	<i>Salem</i>
Harriet R. Richards,	<i>New Haven</i>
Ida Rogowski,	<i>New Haven</i>
Annette C. Rood,	<i>New Haven</i>
Elsie Rowland,	<i>Waterbury</i>
Idyl A. Sheppard,	<i>New Haven</i>
Jessie B. Sherman,	<i>New Haven</i>
Harriet E. Smith,	<i>Ansonia</i>
Effie H. Sperry,	<i>New Haven</i>
Maria E. Street,	<i>Milford</i>
Clara L. Thayer,	<i>West Medway, Mass.</i>
Mary E. Tibbals,	<i>Ann Arbor, Mich.</i>
Margaret D. Whitney,	<i>New Haven</i>
Nellie P. Wickwire,	<i>Sheffield, Mass.</i>
Helen M. Winchell,	<i>New Haven</i>
Fannie L. Wiseman,	<i>New Haven</i>
Jennie J. Wooding,	<i>Stratford</i>

STUDENTS, 48

In addition to the above, 93 Students from the Sheffield Scientific School receive instruction in free-hand drawing in the Art-School.

SUMMARY OF STUDENTS

DEPARTMENT OF THEOLOGY	-	-	-	-	110
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DEPARTMENT OF MEDICINE	-	-	-	-	28
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DEPARTMENT OF LAW	-	-	-	-	62
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DEPARTMENT OF PHILOSOPHY AND THE ARTS:

GRADUATE INSTRUCTION	-	-	-	-	42
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UNDERGRADUATE ACADEMICAL DEPARTMENT					563
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SHEFFIELD SCIENTIFIC SCHOOL	-				251
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SCHOOL OF THE FINE ARTS	-	-			48
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Deduct for names inserted twice	-				28
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TOTAL	-	-	-	-	-	<hr style="width: 100%;"/> 1076
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GENERAL STATEMENT

The departments of instruction in YALE COLLEGE are comprehended under four divisions, as follows:—

The Faculty of THEOLOGY;
of MEDICINE;
of LAW;
of PHILOSOPHY AND THE ARTS.

Under the last named Faculty are included, the Courses FOR GRADUATE INSTRUCTION, the UNDERGRADUATE ACADEMICAL DEPARTMENT, the UNDERGRADUATE SECTION OF THE SHEFFIELD SCIENTIFIC SCHOOL, and the SCHOOL OF THE FINE ARTS,—each with a distinct organization.

In the particular statements which follow, the Department of Philosophy and the Arts is first given, with its subdivisions in the order named: and afterwards the three Professional Departments.

The legal designation of the Corporation is “THE PRESIDENT AND FELLOWS OF YALE COLLEGE IN NEW HAVEN.”

DEPARTMENT OF PHILOSOPHY AND THE ARTS



GRADUATE INSTRUCTION

Graduates of this and other Colleges, and other persons of liberal education (not less than eighteen years old), are received as students for longer or shorter periods, with or without reference to the attainment of a degree.

An Executive Committee has a general oversight of the students in this Department. The Committee this year is composed of Professors WHITNEY, NEWTON, BRUSH, and WHEELER. They receive the names of applicants for instruction, and judge and approve the courses of study proposed; and information may be obtained from them as to conditions, terms, etc. Students may also make special arrangements with any instructor according to their mutual convenience.

Instruction is given partly by lectures, partly by recitations and by oral and written discussions, partly by directing courses of reading, and partly by work in the laboratories and with instruments.

The terms and vacations correspond with those in the Undergraduate Departments. (See Calendar, p. 4.)

The fee for instruction is generally one hundred dollars, or more or less, according to the course pursued and the amount of instruction received.

THE DEGREE OF DOCTOR OF PHILOSOPHY is conferred upon those who, after having taken a Bachelor's degree (implying a course of undergraduate study equivalent to that pursued in the Academical Department), and having studied in this Department for not less than two years, shall have passed a satisfactory final examination and presented a thesis giving evidence of high attainment in the branches of knowledge pursued. It is not given, upon examination, to those whose studies are pursued elsewhere. The requirements for it will in some cases exact of the student more than two years of labor; especially when the course of undergraduate study has been less than four years. A good knowledge of Latin, German, and French, will be required in all cases, unless, for

some very exceptional reason, the candidate be excused by the Faculty. The graduating fee is ten dollars.

The Courses of instruction may be grouped as follows:

1. Intellectual Philosophy; Ethics:

President PORTER and Professor LADD: Psychology; Philosophy; History of Philosophy; Ethics.

2. Political Science and History:

Professor WHEELER: Origin and Development of the English Constitution.

Professor BREWER: Relations of Physical Geography to Political History.

Professor SUMNER will lecture on finance and the science and art of politics as illustrated in the history of the United States. This course occupies two years. In 1885-86 the first half, history down to 1830, will be given: two hours per week. Another course of text-book lessons, comments, discussions, etc., is given, consisting, in alternate years, of (a) sociology (1885-6), and (b) special topics in industrial history, history of political economy, finance, and theory of rights (1886-87): one hour per week. The course in sociology (1885-86) will include an elementary study of human palæontology, archæology, and ethnology.

Professor ROBINSON: History of Real Property; Canon Law; Parliamentary Law.

Professor DEXTER: American History.

Professor BALDWIN: Conflict of Laws; Comparative Jurisprudence.

Professor PLATT: General Jurisprudence.

Professor WOOLSEY: International Law.

Mr. A. S. WHEELER: the Institutes of Gaius and Justinian; select titles of the *Corpus Juris*; German text-books of Roman Law.

Mr. A. T. HADLEY: *1st Term*, Railroads and the Social Problems connected with them. *2d Term*, Relations between Political Economy and Legislation, in connection with the work of the State Bureau of Labor Statistics.

3. Philological Science; Literature:

Professor WHITNEY: the general Principles of Linguistic Science; the Comparative Philology of the Indo-European Languages; the Sanskrit Language.

Professor THACHER, Professor PECK, and Professor H. P. WRIGHT: selected Latin authors; History of Roman Literature; Early Latin; Latin Philology; Latin Composition; Roman History and Antiquities.

Professor SEYMOUR: critical reading of Greek authors; History of Greek Literature; Greek Antiquities; Greek Metres.

Professor TARBELL: Aristotle's Politics,—a study, through the medium of the original Greek, of Aristotle's theory of the state and of the various forms of government.

Mr. VANNAME: the elements of the Japanese Language.

Professor LOUNSBURY and Professor BEERS: the Anglo-Saxon Language; the early forms and Literature of English.

Professor KNAPP: Spanish; Italian; Old French and Provençal; the Russian Language.

Professor DAY: the Hebrew and other Semitic Languages.

4. *Mathematics :*

Professor NEWTON: Calculus ; Analytical Mechanics ; Lunar and Planetary Theories ; Higher Geometry.

Professor CLARK: Definite Integrals ; Differential Equations ; Analytical Mechanics ; the Theory of Numerical Approximations ; the Method of Least Squares.

Professor GIBBS: Vector Analysis, with applications to various departments of Physics ; the Potential and allied Functions, with reference to the theories of Electricity and Magnetism, including the electro-magnetic theory of Light.

5. *Physics ; Chemistry ; Astronomy :*

Professor LOOMIS: Meteorology, with especial reference to the laws of storms.

Professor LYMAN: the use of Meridional and other Astronomical Instruments.

Professor JOHNSON: Theoretical and Analytical Chemistry.

Professor A. W. WRIGHT: Physical Measurements, with Practical Exercises in the Physical Laboratory, in the departments of Heat, Light, and Electricity.

Professor ALLEN: Analytical Chemistry.

Professor DUBOIS: Thermodynamics.

Professor HASTINGS: Lectures on selected topics in Physics, and guidance in laboratory work.

Professor CHITTENDEN: Physiological Chemistry.

Dr. WALDO: the Theory and Practice of Micrometry.

Mr. O. T. SHERMAN: Thermometry.

See, also, *Mathematics*, above.

6. *Geology ; Natural History :*

Professor J. D. DANA: Geology.

Professor BRUSH: the Analysis and Determination of Mineral Species ; Descriptive Mineralogy.

Professor EATON: Structural and Systematic Botany, including the North American Flora and the description of genera and species.

Professor MARSH: Palæontology ; Comparative Osteology.

Professor VERRILL and Professor S. I. SMITH: Zoology.

Professor E. S. DANA: Optical Mineralogy ; Crystallography.

7. *Applied Science :*

Professor LYMAN: Astronomical Spectroscopy.

Professor JOHNSON: Agricultural Chemistry.

Professor BREWER: Agriculture ; Forest Culture.

Professor C. B. RICHARDS: Dynamical Engineering.

Professor DUBOIS: Civil Engineering.

8. *Fine Arts :*

For the instruction offered in the School of the Fine Arts, see page 79.

THE DEGREE OF MASTER OF ARTS is conferred on Bachelors of Arts of two years' standing or upwards, who have given to the Academical Faculty evidence of having made satisfactory progress in liberal studies after receiving their first degree.

Such evidence may be furnished by one year's systematic study (not professional) in New Haven, under the direction of the Academical Faculty, followed by an examination.

Such Bachelors of Arts of this College as may not choose to reside at the College for the prosecution of study may show at any time, not less than three years after graduation, by their printed essays, or by submitting to special examinations, that they have spent a year in liberal (and non-professional) study, and are worthy of recommendation for this degree.

A committee of the Faculty is appointed (consisting, for the present year, of Professors NEWTON and WHEELER), to whom candidates for this degree must submit their proposed courses of study by the first of November in each year; and the evidence of a year's study must be submitted to the same committee by the first of June.

In the case of resident students, the charge for instruction will usually be one hundred dollars, with a fee of ten dollars for the degree. In the case of non-residents, the fee for examinations and the degree will usually be twenty-five dollars.

THE DEGREES OF CIVIL ENGINEER AND DYNAMIC ENGINEER are conferred on Bachelors of Philosophy who have taken the first degree in Engineering study, and who pursue a higher course for at least two years, sustaining a final examination, and giving evidence of their ability to design important constructions, and to make the requisite drawings and calculations. The fee for graduation is five dollars.

UNIVERSITY PRIZE

THE JOHN A. PORTER PRIZE, of two hundred and fifty dollars, is offered at each Commencement for the best English Essay. Any person who has been studying for a degree in any Department during the whole of the current College year may compete for this prize.

UNDERGRADUATE ACADEMICAL DEPARTMENT

ALL CANDIDATES FOR ADMISSION to the Freshman Class are examined in the following books and subjects :

1. Latin Grammar.
 2. Cæsar—Gallic War, books i-iii.
 3. Cicero—Orations against Catiline and for Archias.
 4. Vergil—Bucolics, and first six books of the Æneid, including Prosody.
 5. Ovid—Metamorphoses, translation at sight.
 6. The translation, at sight, of passages from prose Latin.
 7. The translation into Latin of connected passages of English prose.
[As special importance is given to this part of the examination, it is suggested to teachers that they connect exercises in making Latin, both oral and written, with all the Latin studies of the preparatory course.]
 8. Roman History—Creighton's Primer of Roman History is suggested, as a basis for instruction.
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9. Greek Grammar.
 10. The translation of English into Greek.
 11. Xenophon—Anabasis, three books.
 12. Homer—Iliad, two books, with Prosody.
 13. The translation, at sight, of a passage from some work of Xenophon.
 14. Greek History.
- The rules for pronunciation given in Hadley's Grammar are recommended as a guide. For Greek History, Dr. Wm. Smith's or Fyffe's text-book, and for Greek Composition, Jones's Exercises or White's Lessons, are suggested.
-

15. Higher Arithmetic—including the metric system of weights and measures.
 16. Algebra—so much as is included in Loomis's Treatise, up to the chapter on Logarithms.
 17. Geometry—Euclid, book i, and the first 33 exercises thereon in Todhunter's edition ; or, the first four books in other Geometries, with the above exercises.
-

18. French or German—so far as to translate at sight easy prose, the candidate being at liberty to decide for himself in which of the two languages he shall be examined. [For the course in Modern Languages in Freshman year, see p. 55.]
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Candidates are allowed to divide the examination, with an interval of not less than a year between the two parts. In such cases, they must present themselves at the *June* examina-

tion of the first year, for examination in not more than ten (in which number the translation at sight of prose Latin and Greek must not be included) of the above subjects, and must be accepted on at least six, in order to receive any certificate of partial admission.

THE REGULAR EXAMINATION FOR ADMISSION to college is held at Graduates' Hall, New Haven, on Thursday, Friday, and Saturday after Commencement (July 1, 2, 3, 1886); *attendance is required at the opening of the examination, at 9 A. M. on Thursday.* The examination is wholly in writing; copies of papers recently given will be sent by the Secretary on application.

In 1886 examinations (beginning on Thursday, July 1, at 9 A. M.) for admission to the Freshman Class (but not to higher classes) will also be held in Andover, Mass. (in the rooms of Phillips Academy), and in Chicago, Cincinnati, and San Francisco, at places to be announced in the local newspapers of the day previous. Candidates who propose to be present (elsewhere than at New Haven) are requested to send their names to the Secretary before June 15. A fee of five dollars is charged for admission to examinations outside of New Haven. The College is also prepared to hold an examination, at the above-named time, in any city or at any school where the number of candidates may be sufficient to warrant it; applications for this purpose must be sent to the Secretary before June 1.

A second examination (for those who cannot attend the first) is held in New Haven at the beginning of the College year, on Tuesday and Wednesday (Sept. 21, 22, 1886); candidates for this examination must be present at Graduates' Hall at 9 A. M. on Tuesday.

Persons applying for admission to any of the classes in College during the course of the College year (that is, from September to June) must first obtain from the Faculty permission to be examined, and pay to the Treasurer a fee of ten dollars.

In general, examinations for admission to the Freshman Class of the *next* year can be held only in June and September as specified; if in any case sufficient reason exists for an exception to this rule, a special fee (not exceeding fifty dollars) will be charged.

ADVANCED STANDING—All candidates for advanced standing, *whether from other Colleges or not*, are examined in addition to the preparatory studies, in those studies already pursued (see below) by the class which they wish to enter. In the several languages, for the particular books studied by the class equivalent amounts from other books may be offered.

Bachelors of Arts or of Philosophy of any institution may join the Senior Class (without examination and without becoming candidates for the Bachelor's degree), as candidates for the degree of Doctor of Philosophy after three years' study. (See p. 48.)

No one can be admitted to the Senior Class after the beginning of the second term.

AGE—No one can be admitted to the Freshman Class till he has completed his fifteenth year, nor to an advanced standing without a corresponding increase of age.

TESTIMONIALS—Satisfactory testimonials of good moral character (preferably from the last principal instructor) are in all cases required, before a certificate of admission is granted; students from other Colleges must present certificates of dismissal in good standing.

BOND—Every person must give to the Treasurer, on being admitted, a bond, executed by his parent or guardian, for five hundred dollars, as security for the payment of charges arising under the laws of the College. A blank form for this purpose will be furnished at the time of admission.

THE PROGRAM OF STUDIES for the current year is as follows:

FRESHMAN YEAR:

Greek—Homer's *Iliad* (2 books); Homer's *Odyssey* (4 books); Selected Orations of Lysias (50 pp.); Xenophon's *Memorabilia* (70 pp.); the Panegyric of Isocrates; *Medea* of Euripides; Greek Prose Composition. (Students especially proficient in Greek will be assigned to an advanced section.)

Latin—Cicero *De Senectute* and *De Amicitia*; Livy, books xxi and xxii; ten Satires of Horace, with history of Roman literature to the Augustan age; Latin Prose Composition.

Modern Languages—Elementary German, three hours a week throughout the year. Those who have sufficient previous acquaintance with the elements of German are assigned to classes in advanced French, advanced German, etc.

Plane Geometry—Todhunter's Euclid, books iii and iv. Exercises in logical arrangement and original demonstration. Chauvenet's Geometry—Symmetry, Loci, Proportions, Theory of Limits, and Measurement of the Circle.

Solid Geometry—Chauvenet's Geometry—Planes, polyhedrons, cones, and cylinders. Projection of figures. Demonstrations and exercises on models.

Plane Trigonometry—Richards's Trigonometry. Applications to Mensuration and Surveying.

Algebra—Phillips and Beebe's Graphic Algebra. The geometric interpretation of the Theory of Equations, Imaginaries, and the Solution of Higher equations.

SOPHOMORE YEAR :

Greek—*Antigone* of Sophocles; *Birds* of Aristophanes; selections from Plato's Dialogues (75 pp.).

Latin—Odes and Epodes of Horace (70 pp.); selections from Catullus (40 pp.); seven satires of Juvenal; books xxi and xxii of Livy; *Adelphi* of Terence; *Menæchmi* of Plautus; *Agricola* and *Germania* of Tacitus; constitutional and political history of Rome to the accession of Antoninus Pius; Wilkins's Primer of Roman Antiquities.

Modern Languages—Advanced French, or advanced German, at the option of the student, two hours a week throughout the year.

Spherical Geometry and Trigonometry—Demonstrations with exercises on the globe. Applications to Navigation and Astronomy.

Analytical Geometry—Plane and solid. Applications to Map Projection.

Mechanics—The elementary principles of Kinematics, Kinetics (or Dynamics), and Statics, in reference to solid bodies, with some of their practical applications in Dana's Mechanics.

English Literature—Welsh's History of the Development of the English Language and Literature.

Rhetoric—See paragraph at the end of the list of prescribed studies.

JUNIOR AND SENIOR YEARS:

The *prescribed* courses of Junior year occupy seven hours per week, and of Senior year three hours per week. In addition, each member of the Junior class is required to select eight hours per week, and each member of the Senior class twelve hours per week, from the list of *elective* courses.

PRESCRIBED STUDIES OF JUNIOR YEAR:

Physics—The subjects of Liquids, Gases, Sound, Heat, and Light, in Balfour Stewart's Elementary Lessons, with experimental illustrations in the class-room and occasional lectures. The subjects of Electricity and Magnetism in Silvanus P. Thompson's Elementary Lessons, with experimental lectures.

Astronomy—Loomis's Treatise on Astronomy.

Logic—Jevons's Lessons in Logic; Fowler's Inductive Logic; exercises in the criticism of arguments; lectures.

Geology—Dana's Text-book of Geology.

Psychology—Porter's Human Intellect, Introduction, First and Second Parts; lectures.

PRESCRIBED STUDIES OF SENIOR YEAR:

Psychology—Porter's Human Intellect, Third and Fourth Parts; lectures.

Ethics, Natural Theology, and Evidences of Christianity.

RHETORIC AND ELOCUTION:

Rhetoric—English Composition. Four themes a year are required from each member of the Senior and Junior Classes, and six from each member of the Sophomore Class. The Senior and Junior themes are read and

corrected by the instructors in Rhetoric. Individual appointments are made with the Sophomores for the criticism of themes. (For premiums in this department see p. 69.)

Elocution—Sophomore Year: Lectures on the Science and Art of Elocution—logical analysis,—vocal analysis, expression, and culture,—oratorical action. Practice in speaking and recitation by sub-divisions of twelve each. Individual instruction and private drill in preparation for speaking in divisions of eighteen per week before the class and the Professor of Rhetoric for the “Prizes for Declamation.”

Junior Year: Three weeks of preparatory training for the speakers at the Junior Exhibition.

Senior Year: Three weeks of preparatory training for the speakers at Commencement.

ELECTIVE COURSES:

The elective courses are presented in the schedule which follows. Each course is a unit and occupies a line and a number in the schedule. Some courses run through the whole year, others continue only during the first term, and others only during the second term. If a course lasts only through the first term or only through the second term, the title of it occupies but one column in the proper place in the schedule. If it lasts for the whole year, the word “continued” is placed opposite to it in the second column for the year.

No course which has been elected can be abandoned during the period for which it continues. No course can be entered, save at its beginning, unless upon examination and with the consent of the instructor.

ELECTIVE COURSES—JUNIOR YEAR

GROUP	Course No.	FIRST TERM Subject	Hours per week	SECOND TERM Subject	Hours per week
Mental and Moral Science	1	-----		-----	
	2	-----		-----	
	3	-----		-----	
	4	-----		-----	
Political Science	5	-----		-----	
	6	-----		-----	
	7	-----		-----	
	8	-----		-----	
	9	-----		-----	
History	10	Prof. Dexter, American Colonial History, ..	2	Prof. Dexter, Hist. of the United States, ..	2
	11	-----		Prof. Dexter, Am. Hist. ; short course, ..	1
	12	-----		-----	
	13	Prof. Richards, History of New England, ..	2	-----	
	14	-----		-----	
	15	-----		-----	
	16	-----		-----	
	17	-----		Mr. Reynolds, Greek History, ..	1
	18	-----		Mr. Abbott, Roman History, ..	2
Modern Languages	19	Mr. Nichols, German, ..	3	Continued, ..	3
	20	Prof. Ripley, German, ..	2	Continued, ..	2
	21	Prof. Ripley, German, ..	1	Continued, ..	1
	22	Mr. Nichols, German, ..	3	Continued, ..	3
	23	-----		-----	
	24	Prof. Bendelari, French, ..	3	Continued, ..	3
	25	Prof. Bendelari, French, ..	3	Continued, ..	3
	26	Prof. Knapp, Spanish, ..	3	Continued, ..	3
	27	-----		-----	
	28	Prof. Bendelari, Italian, ..	3	Continued, ..	3
	29	Prof. Bendelari, Italian, ..	3	Continued, ..	3
	30	Prof. Beers, Anglo-Saxon and English, ..	2	Continued, ..	2
	31	-----		-----	
	32	Mr. Whitney, English Literature, ..	3	-----	
	33	-----		Mr. Whitney, English Literature, ..	3
	34	-----		Mr. Whitney, Hist. of English Lang., ..	1
	35	-----		Mr. McLaughlin, Modern Latin Poetry ..	1
Ancient Languages and Linguistics	36	Prof. Peck, Horace, ..	2	-----	
	37	-----		-----	
	38	Prof. Peck, Latin Composition, ..	2	Continued, ..	2
	39	-----		Prof. Peck, Cicero and Tacitus, ..	2
	40	-----		Prof. Peck, Terence and Martial, ..	2
	41	-----		Prof. Peck, Early Latin, ..	2
	42	Prof. H. P. Wright, Plautus, ..	2	-----	
	43	-----		-----	
	44	-----		Mr. Waters, Latin Elegiac Poets, ..	2
	45	Prof. Seymour, Aeschylus, ..	2	-----	
	46	Prof. Seymour, Thucydides, ..	2	-----	
	47	-----		Prof. Seymour, Euripides, ..	2
	48	-----		Prof. Seymour, Plato, ..	2
	49	-----		Prof. Seymour, Isocrates, ..	2
	50	-----		Prof. Seymour, Pindar, ..	2
	51	Prof. Seymour, Greek Testament, ..	1	-----	
	52	Prof. Tarbell, Lysias and Demosthenes, ..	2	-----	
	53	-----		-----	
	54	-----		-----	
	55	-----		Prof. Whitney, Linguistics, ..	1
	56	-----		-----	
Natural and Physical Science	57	-----		-----	
	58	-----		-----	
	59	-----		-----	
	60	-----		-----	
	61	-----		-----	
	62	-----		-----	
	63	-----		Prof. Eaton, Botany, ..	2
	64	-----		-----	
	65	Prof. J. K. Thacher, Zoology, ..	4	-----	
	66	-----		-----	
	67	Prof. Newton, Diff. and Integral Calculus, ..	3	-----	
Mathematics	68	Prof. Newton, Differential Calculus, ..	3	Continued, Integral Calculus, ..	3
	69	-----		-----	
	70	-----		-----	
	71	-----		-----	
	72	-----		Prof. Richards, Higher Trigonometry, ..	1
	73	Prof. Beebe, Geodesy, ..	2	-----	
	74	-----		Prof. Beebe, Theoretical Astronomy, ..	2
	75	-----		-----	
	76	-----		-----	
	77	Prof. Phillips, Descriptive Geometry, ..	2	-----	
	78	-----		Prof. Phillips, Adv. Map Projection, ..	1
	79	-----		Prof. Phillips, Alg. and Curve Tracing ..	2

ELECTIVE COURSES—SENIOR YEAR

Course No.	FIRST TERM Subject	Hours per week	SECOND TERM Subject	Hours per week
1	The President, Locke and Berkeley,	2	The President, Special Topics in Philosophy, ..	2
2	.....	2	Continued,	2
3	Prof. Ladd, Physiological Psychology,	2	Continued,	2
4	Prof. Ladd, History of Philosophy,	2	.....	2
5	Prof. Sumner, Political Economy; Short Course, ..	3	.....	2
6	Prof. Sumner, Political Economy; Long Course, ..	2	Continued,	2
7	.....	2	Prof. Sumner, Advanced Political Economy, ..	2
8	.....	2	———, Municipal Law,	2
9	.....	2	———, International Law,	1
10	Course 10 open to Seniors,	2	.....	2
11	.....	2	Course 11 open to Seniors,	2
12	.....	2	Course 12 open to Seniors,	1
13	Course 13 open to Seniors,	2	.....	2
14	Prof. Wheeler, Modern European History,	4	Continued,	2
15	Prof. Wheeler, Early English Constit. History, ..	2	Prof. Wheeler, Constitutional Hist. of England, ..	3
16	.....	2	.....	2
17	.....	2	.....	2
18	.....	2	.....	2
19	Prof. Ripley, German,	3	Continued.	3
20	Course 20 open to Seniors,	2		2
21	Course 21 open to Seniors,	1		1
22	Course 22 open to Seniors,	3		3
23	Prof. Knapp, French,	3		3
24	Course 24 open to Seniors,	3		3
25	Course 25 open to Seniors,	3		3
26	Course 26 open to Seniors,	3		3
27	Prof. Knapp, Spanish,	3		3
28	Course 28 open to Seniors,	3		3
29	Course 29 open to Seniors,	3		3
30	Course 30 open to Seniors,	2		2
31	Prof. Beers, English Literature,	3		3
32	.....	3	.....	3
33	.....	3	.....	3
34	.....	3	.....	3
35	.....	3	.....	3
36	.....	3	.....	3
37	Prof. Peck, Pliny's Letters,	3	.....	3
38	Course 38 open to Seniors,	2	Continued,	2
39	.....	2	Course 39 open to Seniors,	2
40	.....	2	Course 40 open to Seniors,	2
41	.....	2	Course 41 open to Seniors,	2
42	Course 42 open to Seniors,	2	.....	2
43	Prof. T. A. Thacher, Cicero <i>Pro Cluentio</i> ,	2	.....	2
44	.....	2	.....	2
45	Course 45 open to Seniors,	2	.....	2
46	Course 46 open to Seniors,	2	.....	2
47	.....	2	Course 47 open to Seniors,	2
48	.....	2	Course 48 open to Seniors,	2
49	.....	2	Course 49 open to Seniors,	2
50	.....	2	Course 50 open to Seniors,	2
51	Course 51 open to Seniors,	1	.....	2
52	Course 52 open to Seniors,	2	.....	2
53	.....	2	Prof. Tarbell, Aristotle's Politics,	1
54	Prof. Whitney, Sanskrit,	4	Continued,	4
55	.....	4	Course 55 open to Seniors,	1
56	.....	4	Prof. Day, Hebrew,	2
57	Prof. Loomis, Practical Astronomy,	4	.....	2
58	.....	4	Prof. Loomis, Meteorology,	2
59	Prof. J. D. Dana, Geology,	2	..... [graphy, ..	2
60	.....	2	Prof. J. D. & E. S. Dana, Geology and Petro-	2
61	Prof. E. S. Dana, Mineralogy and Crystallography, ..	2	Continued,	2
62	Prof. A. W. Wright, Physics, Laboratory Work, ..	2	Continued,	2
63	.....	2	.....	2
64	Prof. Eaton, Pteridology and Bryology,	2	.....	2
65	.....	2	.....	2
66	.....	2	———, Chemistry,	4
67	Course 67 open to Seniors,	3	.....	3
68	Course 68 open to Seniors,	3	Continued,	3
69	Prof. Newton, Integral Calculus and Mechanics, ..	3	Continued,	3
70	Prof. Gibbs, Vector Analysis ; Elementary,	2	.....	2
71	.....	2	Prof. Gibbs, Vector Analysis ; Advanced,	2
72	.....	2	Course 72 open to Seniors,	1
73	Course 73 open to Seniors,	2	.....	2
74	.....	2	Course 74 open to Seniors,	2
75	Prof. Beebe, Theoretical Astronomy ; Advanced ..	1	.....	1
76	.....	1	Prof. Beebe, Theoret. Astronomy; Advanced, ..	1
77	Course 77 open to Seniors,	2	.....	1
78	.....	2	Course 78 open to Seniors,	1
79	.....	2	Course 79 open to Seniors,	2

NOTES ON THE ELECTIVE COURSES :

The following notes refer by numbers to the schedule, and contain the most essential information about the courses, except where the title of the course renders explanation unnecessary.

1. Theory of Knowledge ; readings in Locke and Berkeley.
2. Special topics in Philosophy.
3. A study (illustrated by charts and models) of the human nervous mechanism, of the principal relations which exist between changes in this mechanism and the activities of the mind, and a discussion of the conclusions which may be drawn from these relations respecting the nature and laws of the mind.
4. A brief survey of the development of philosophical thinking from its beginning among the Greeks down to the modern era, a somewhat extended presentation of the philosophy of Kant, by expository lectures upon his works, and a study of several of the more important writers since the time of Kant.
- 5 and 6. Lessons in Mill's 'Political Economy with discussions and lectures, especially on currency, banking, and taxation. The short course is elementary only. The long course is for those who wish to give more time and labor to this subject.
7. Study and discussion of economic problems and fallacies with selected passages from the leading treatises :—open only to those who have taken course 5 or course 6.
- 8 and 9. Courses 8 and 9 will consist of lectures on the origin, history, and general principles of the Common Law, American Constitutional Law, and International Law, based mainly upon the treatises of Robinson, Cooley, and Woolsey, which will be read in connection with the lectures.
10. American Colonial History to 1765 : Lodge's Short History.
11. History of the United States from 1765 to 1865.
12. A short course in American History, covering less thoroughly the entire ground of the last two courses.
13. Colonial History of New England to 1689.
14. History of the French Revolution of 1789 ; Tocqueville's *Old Régime*, Mignet's or Taine's *History of the French Revolution*, Fyffe's *History of Modern Europe* : Or, *History of Europe since 1815* ; Müller's *Political History of Recent Times*, Walpole's *History of England since 1815*.
15. Origin and development of the English Constitution ; Taswell-Langmead's or Stubbs's *Constitutional History of England*, Bright's or Green's *History of England*, vol. i. This course is of special value to those who intend to study law.
16. History of England during the Tudor and Stuart periods. The conflict between self-government and arbitrary power. Hallam's *Constitutional History of England* ; Bright's or Green's *History of England*, vol. ii ; with numerous books for reference.
17. Outlines of Greek History ; in detail, the constitutional history of Athens and the conquests of Alexander.

18. Roman Imperial History ; in particular, the History of the Roman Religion, beginning with the Augustan Period ; the relations of the Roman Empire to Christianity up to the close of Julian's reign. The rise of Moham-medanism.

19. German Prose of the nineteenth century (Freytag, Heyse, Herm. Grimm, Heine); Modern Plays ; Composition.

20. Readings from German Literature of the eighteenth century (Schiller's *Wallenstein*, Goëthe's *Iphigenie*, and selections from Lessing's *Hamburgische Dramaturgie*). The student will further be expected to consult German authorities on matters of history, biography, and criticism.

21. Introduction to Middle High German. Paul's *Mhd. Grammatik*, with readings from Hartmann's *Arme Heinrich* and the *Nibelungen Lied*. Lectures on the history and philology of the language.

22. Elementary : Whitney's Grammar ; Composition ; easy German Prose and Lyrics ; Sight Reading.

23. Advanced composition ; History and Philology of the language ; Writers of the sixteenth century (Rabelais, Montaigne, Calvin, Marot, Ronsard, Régnier, Malherbe) ; French the only medium of instruction.

24. Writers of the seventeenth century (Corneille, Racine, Molière, Boileau, Lafontaine) ; Composition.

25. Writers of the nineteenth century (G. Sand, A. de Musset, E. About, V. Hugo, T. Gautier, A. Daudet, Cherbuliez) ; Modern Plays ; Composition.

26. Elementary Course: Knapp's Grammar and Reader ; Galdós' Novels ; Modern Plays ; Conversation.

27. Advanced Course : Composition ; Classical writers (Cervantes, Lope de Vega; Calderon, Quevedo) ; Spanish ballads ; Spanish the only medium of instruction.

28. Elementary Course : Toscani's Grammar ; Composition ; (De Amicis, Manzoni, Goldoni).

29. Advanced Course : Modern Plays ; Composition ; Classical writers (Tasso, Macchiavelli, Boccaccio, Dante) ; Italian the only medium of instruction.

30. A two years' course, Anglo-Saxon and Early English ; Sweet's Anglo-Saxon Reader ; Mätzner's *Altenglische Sprachproben* ; Beowulf ; Earle's History of Anglo-Saxon Literature ; tenBrink's Early English Literature.

31. Critical readings in Spenser, Shakspeare, Bacon, Milton, Dryden, Pope, and selections from the British Dramatists. Lectures and Examinations on the literature of the eighteenth and nineteenth centuries (1700-1860); text-books : Perry's English Literature in the eighteenth century ; Mrs. Oliphant's English Literature in the nineteenth century ; Morley's English Literature in the reign of Victoria ; Stedman's Victorian Poets.

32. Chaucer, selections from the Canterbury Tales ; Spenser, first book of the Faerie Queene.

33. Shakspeare's plays ; Bacon's Essays ; Milton's Poetry and Prose ; Dryden.

34. Lounsbury's History of the English Language ; study of specimens of the language of different periods ; lectures.

35. Selections from the Latin poems of Walter Map, Gower, Milton, Addison, Gray, and Landor.

36. All of the Epistles and some of the Satires ; comparative studies of the Augustan poets.
39. The familiar letters of Cicero, and the *Dialogus de Oratoribus* of Tacitus.
41. Professor Allen's Remnants of Early Latin ; fragments of the earliest literature. The course will be largely philological, and open only to those who shall have taken at least one Latin elective during the first term.
43. With the reading of the Oration will be connected instruction in the Roman Criminal Process.
45. The Persians and the Seven Against Thebes.
46. The Sicilian Expedition.
47. The Medea, *Bacchae*, Iphigenia among the Taurians.
48. The Gorgias.
49. Selected Orations of Isocrates, for exercise in rapid reading.
50. The Pythian Odes of Pindar, and the Alexandrian poets, Callimachus, Bion and Moschus. (Important for the Winthrop examination.)
52. Select non-political orations of Lysias and Demosthenes. This course aims to promote fluency in the reading of Attic prose, and to give an insight into the institutions and social life of Athens in the fourth century B. C.
53. A study, through the medium of the original Greek, of Aristotle's theory of the State and of the various forms of government.
54. A first year's instruction in Sanskrit, beginning with the instructor's Sanskrit Grammar, and passing on to Professor Lanman's Reader. A sketch of Sanskrit literature will be given in connection with the exercises during the latter part of the year.
55. A series of exercises—mingled lecture, recitation, and discussion—on the leading topics of the general study of language, following and using as text-book the instructor's Life and Growth of Language, will be given if a class of six or more is formed.
57. Loomis's Practical Astronomy. Students have the free use of a portable transit-instrument for observations.
58. Loomis's Meteorology, with daily study of the current weather-maps of the signal service.
59. Dana's Manual of Geology ; a continuation and expansion of the required Geology of Junior year.
60. Continuation of course 58 during the first half of the second term. In the second half of the second term this course will be continued by Prof. E. S. Dana as a course in Petrography, including the examination of thin sections of rocks under the microscope. Some preliminary work on the optical properties of minerals will be done by the class.
61. Practical study of the more important mineral species by means of blowpipe analysis and other methods ; mathematical study of crystals by the methods of analytical and spherical geometry ; also, the optical properties of crystals, including the phenomena exhibited by them in polarized light. Dana's Text Book of Mineralogy, 1882.
62. Chiefly practical work in the physical laboratory, with measurements, especially in heat, light, and electricity, each exercise occupying two hours. Recitations of one hour each, upon the theory and methods of physical measurements, will occasionally take the place of the laboratory work.

Kohlrausch's Physical Measurements ; Everett's Units and Physical Constants, etc.

63. An elementary course in Structural and Systematic Botany.

65. Dissection of a small number of typical animals. Lectures on classification of animals. Lectures and recitations on physiology. Huxley and Martin's Elementary Biology ; Huxley's Elementary Physiology.

66. Laboratory work in Analytical Chemistry.

69. Definite Integrals, Multiple Integrals, Mean Values and Probability, Differential Equations. Kinematics, Analytical Statics and Dynamics.

70. Elementary course, in which the simpler problems of Geometry, Kinematics, and Mechanics will be treated by vector methods.

71. Advanced course, open only to those who have taken the preceding. The same methods will be applied to Hydrodynamics, the Theory of Strains, and Electricity.

72. Exponential and Logarithmic series ; De Moivre's Theorem ; Results of De Moivre's Theorem ; Errors in practical work ; Examples of the application of Trigonometry to Geometrical Problems.

73. Methods of the United States Coast Survey.

74, 75, and 76. Calculation of orbits, ephemerides, and perturbations.

77. The principles of Orthographic Projection, Linear Perspective, and Shadows.

79. Higher Algebra and Curve Tracing without the use of the Calculus.

SPECIAL HONORS

Special Honors are to be conferred at the end of Senior year.

One-year honors may be taken in any one of the following groups of studies ; two-year honors in any one of groups 4-7:

(1). Philosophy. (2). Political Science, History, and Law. (3). English. (4). Ancient Languages. (5). Modern Languages (exclusive of English). (6). Mathematics. (7). Natural and Physical Science.

A candidate for a one-year honor must announce his intention to the Dean on or before Dec. 1 of his Senior year ; a candidate for a two-year honor to the same by the same date of his Junior year.

A candidate for a one-year honor must pursue with distinction in his Senior* year, and a candidate for a two-year honor

* But in groups (2) and (3), work done in Junior year in History or English will be accepted in place of an equivalent amount of work done in Senior year.

in his Junior and Senior years, courses (whether required or elective) amounting to an average of at least six hours per week in one of the specified groups. For a two-year honor the work must be so distributed that an average of at least four hours per week shall be taken in Junior year.

A candidate for either honor must present a meritorious thesis before May 1st of his Senior year.

[In the department of Modern Languages, elementary German will not be reckoned for honors. In the department of Mathematics, no student will be considered a candidate for honors, unless he has taken the Calculus.]

TERMS AND VACATIONS

THE PUBLIC COMMENCEMENT is held on the last Wednesday in June. The first term begins twelve weeks from the day after Commencement-day and continues thirteen weeks; the second term begins on the first Thursday in January and continues until Commencement-day, with a spring recess—of eight days—including Easter. (See Calendar, p. 4.) The exercises of each term begin with prayers in the Chapel on Thursday morning.

LEAVE OF ABSENCE—No student is allowed to be absent without special leave, except in the vacations.

PUBLIC WORSHIP

PRAYERS are attended in the Battell Chapel every week-day morning, with reading in the Scriptures and singing; and all the students are required to be present.

PUBLIC WORSHIP is held in the Chapel on Sundays, at which all the students are required to attend, except such as have special permission to attend the worship of other denominations, to which their parents belong. Such permission can be obtained only on presenting to the President a written request therefor from the parent or guardian.

GYMNASIUM

THE GYMNASIUM is designed to provide all the students with opportunities for exercise. Those who use the bath-rooms pay a small fee for tickets.

EXPENSES

THE TREASURER’S BILLS are made out three times a year, viz: at the close of the first term, and at the middle and at the close of the second term, at which times they are payable. The bills must be paid within two weeks after the beginning of the succeeding term or half-term, or the student is liable to be prohibited from reciting. Drafts on Boston, New York, and Philadelphia will be received at par.

The annual charge for tuition is \$115, and with incidentals, \$140.

For the rent and care of a half-room in the College buildings, the average charge is thirty-five dollars per year.

OTHER CHARGES—There are additional charges at graduation, amounting to eighteen dollars. If a student occupies a room alone, the charge for rent and care is ordinarily double that stated above.

ABSENCE ON LEAVE—A student who is absent from College on account of sickness, or for any other cause, and retains his place in his class, pays full tuition during such absence; such payment is required before the student can be admitted to examination.

BOARD is obtained at prices varying from three and a half to seven dollars a week. The average price is under five dollars.

ROOMS—There are in the College buildings (after 1885) about two hundred and fifty rooms occupied by students, at prices varying (according to location) from \$25 to \$140 per year, not including vacations. Students living out of College are not allowed to room in any building in which a family does not reside, except by special permission of the Faculty.

FURNITURE, BOOKS, ETC.—Students provide for themselves furniture, fuel, lights, and text-books; if books and furniture are sold when the student has no further necessity for them, the expenses incurred by their use will not be great.

NECESSARY EXPENSES—The following may be considered a near estimate of the *necessary* annual expenses, for a student occupying a half-room in College, without including apparel, traveling, and board in vacations:

Treasurer’s bill (according to location of room) from	\$160 to \$220
Board, 37 weeks, - -	130 to 260
Fuel, lights, and washing, - - - - -	20 to 60
Use of text-books and furniture, - - - - -	30 to 60
Total, - - - - -	\$350 \$600

COLLEGE GUARDIAN—As a precaution against extravagance, parents at a distance sometimes deposit funds with one of the Faculty; who, in that case, attends to the pecuniary concerns of the student, settles his bills, corresponds with the parent, and transmits an account of expenditures, for which services he charges a commission.

BENEFICIARY AID

The sum of \$11,000 and upwards, derived partly from permanent charitable funds, is annually applied by the Corporation for the relief of students who need pecuniary aid, especially of those preparing for the Christian ministry. No deserving student who will make good use of the opportunities of the College need be deterred from entering it by the cost of tuition. Those needing aid should apply to the President before November 1st in each College year. Assistance will be withdrawn from students who incur serious College censure, or who fail to maintain a reputable scholarship.

THE MORGAN FUND, bequeathed by the late Henry T. Morgan, of New York City, has been set apart by the Corporation, with the provision that the income shall be divided into scholarships (at present thirty-five in number, yielding \$115 each), to be assigned by the Faculty for the benefit of indigent and deserving students.

THE HARMER FOUNDATION OF SCHOLARSHIPS comprises six scholarships, each yielding one hundred dollars a year, to be given to deserving students of small means.

THE LUCIUS HOTCHKISS FUND, of ten thousand dollars, comprises four scholarships, the income of which is given to indigent and deserving students.

There are nineteen other Scholarships, most of them yielding sixty dollars a year, which may be given to such students as shall be selected by the founders or the Faculty.

By the liberality of Mr. W. L. Andrews, of New York city, a well furnished library has been established, containing textbooks and works of reference, to be loaned gratuitously to those students who have need to avoid the expense of purchasing such books. Permission to use this library can be obtained from the President.

FELLOWSHIPS AND SCHOLARSHIPS

THE DOUGLAS FELLOWSHIP, with an income of six hundred dollars a year, was founded in 1873, by Mrs. Samuel Miller, of New Haven, and named in memory of her brothers, Rev. Sutherland Douglas (Y. C. 1822) and George H. Douglas (Y. C. 1828). The incumbent, who must be a recent graduate of this Department, pursuing non-professional studies in New Haven, is elected annually, but no person shall hold the Fellowship for more than three years.

THE SOLDIERS' MEMORIAL FELLOWSHIP, with an annual income of six hundred dollars, was founded in 1875 by Mrs. Theodosia D. Wheeler, of New Haven, in honor of the alumni who fell in battle as Union soldiers, in the war of 1861-1865, and in special remembrance of William Wheeler, of the Class of 1855. The incumbent must be, at the time of his election, a graduate of this Department, of not more than three years' standing. He shall pursue non-professional studies, and may hold the Fellowship for a period not exceeding five years.

THE SILLIMAN FELLOWSHIP, with an annual income of six hundred dollars, is awarded to a graduate of this Department who has given evidence of proficiency and promise in some branch of physical science. The incumbent is elected annually, but no person shall hold the Fellowship for more than three years.

THE BERKELEY SCHOLARSHIP, yielding about fifty-five dollars a year, is awarded to the student in each Senior Class who passes the best examination (which must be a creditable one) in the Greek Testament (Pauline Epistles), the first book of Thucydides, the first six books of Homer's Iliad, Cicero's Tusculan Questions, Tacitus (except the Annals), and Horace; provided he remain in New Haven as a graduate, one, two, or three years.

THE CLARK SCHOLARSHIP, being the income of a fund of two thousand dollars, is awarded in each Senior Class to the applicant who has passed the best annual examination in the studies of the course; provided he remain in New Haven one year or two years immediately after graduation, pursuing a course of study (not professional) under the direction of the Faculty.

THE LARNED SCHOLARSHIP, yielding three hundred dollars a year, and tenable for three years, is awarded in each Senior

Class. The incumbent must reside in New Haven, pursuing a course of advanced study under the direction of the Faculty.

THE BRISTED SCHOLARSHIP, yielding about one hundred and twenty dollars a year, is awarded, whenever there is a vacancy, to the student in the Sophomore or Junior Class who passes the best examination in the classics and mathematics. The successful candidate receives the annuity (forfeiting one-third in case of non-residence) until the end of the third year after graduation.

THE FOOTE SCHOLARSHIPS, yielding five hundred dollars a year, are awarded to graduates of this Department, selected by the Corporation, who remain in New Haven for one or more years pursuing studies in the graduate Department of Philosophy and the Arts.

THE WOOLSEY SCHOLARSHIP, being the income of a fund of one thousand dollars, is awarded to the student in each Freshman Class, who passes the best examination in Latin Composition (excellence in which is essential to success), in the Greek of the year, and in the solution of algebraic problems. The successful candidate receives the annuity, under certain conditions, during the four years of his College course. The student who stands second at this examination receives for one year the income of the HURLBUT SCHOLARSHIP FUND, of one thousand dollars; and the student who stands third, the income for one year of the THIRD FRESHMAN SCHOLARSHIP FUND, of the same amount.

THE W. W. DEFOREST SCHOLARSHIP, being the income of a fund of two thousand dollars, is awarded to a student in each Senior Class who has attained distinction in the study of French while in College, provided he pursue for the year after graduation a further course of study in the Romance languages under the direction of the Faculty.

PREMIUMS

THE DEFOREST PRIZE MEDAL, of the value of \$100, is awarded "to that scholar of the Senior Class who shall write and pronounce an English Oration in the best manner."

TOWNSEND PREMIUMS, five in number, of twelve dollars each, are awarded in the Senior Class for the best specimens of English Composition.

SENIOR MATHEMATICAL PRIZES (the first consisting of a gold

medal of the value of ten dollars and of ten dollars in money, the second of ten dollars in money) are offered to the Senior Class for the best solutions of problems in both abstract and concrete mathematics.

COLLEGE PREMIUMS are offered to the Senior Class for the solution of problems in Practical Astronomy.

WINTHROP PRIZES (one of two hundred dollars and one of about one hundred dollars) are offered to the Junior Class "for the most thorough acquaintance with the Greek and Latin poets," as shown at an examination during the latter half of the second term.

A COLLEGE PRIZE of thirty dollars is awarded to the successful competitor at the Junior Exhibition. The competition is limited to eight speakers chosen from the higher grades of the Junior appointment list.

COLLEGE PREMIUMS are given to the Sophomore Class for English Composition, and for declamation, and in the Sophomore and Freshman Classes for the solution of mathematical problems.

THE SCOTT PRIZE for excellence in German is offered to the Senior Class, and the SCOTT PRIZE for excellence in French to the Junior Class; these are of the value of thirty dollars each, and are given in books.

BERKELEY PREMIUMS for Latin Composition are offered to the Freshman Class near the end of the year.

DEGREES

The degree of BACHELOR OF ARTS is conferred by the Corporation on those persons who have completed the course of academical exercises, as appointed by law, and have been approved on examination at the end of the course as candidates for the same. Candidates are required to pay their dues to the Treasurer as early as the Saturday before Commencement. For the degrees of Master of Arts and Doctor of Philosophy, see pages 51 and 48.

SHEFFIELD SCIENTIFIC SCHOOL

THE SHEFFIELD SCIENTIFIC SCHOOL is devoted to instruction and researches in the mathematical, physical, and natural sciences, with reference to the promotion and diffusion of science, and also to the preparation of young men for such pursuits as require special proficiency in these departments of learning.

The school, begun in 1847, and reorganized upon a more extensive scale in 1860, received in 1863, by the act of the Connecticut Legislature, the national grant for the promotion of scientific education under the Congressional enactment of July, 1862.

OFFICERS AND INSTRUCTORS—Upon the Governing Board, consisting of the professors permanently attached to the School, devolves its internal management and the greater part of the instruction. In addition to these and the instructors employed during the current year (mentioned on p. 39), instruction is given in Elementary and Free-hand Drawing by Professor Niemeyer, of the School of the Fine Arts.

The Board of State Visitors consists of the Governor, the Lieutenant Governor, three Senior Senators, and the Secretary of the Board of Education.

The instruction is intended for two classes of students:—

I.—Graduates of this or other Colleges, and other persons qualified for advanced or special study.

II.—Undergraduates who desire a training, chiefly mathematical and scientific, in part linguistic and literary, for higher scientific studies, or for other occupations to which such training is suited.

INSTRUCTION FOR GRADUATE AND SPECIAL STUDENTS

Persons who have gone through undergraduate courses of study, here or elsewhere, may avail themselves of the facilities of the School for more special professional training in the physical sciences and their applications, gaining in one, two, or three years the degree of BACHELOR OF PHILOSOPHY, or, in two additional years of Engineering study, that of CIVIL ENGINEER or that of DYNAMIC ENGINEER.

Or, engaging in studies of a less exclusively technical character, they may become candidates for the degree of DOCTOR OF PHILOSOPHY, under the conditions already stated (see p. 48). The instruction in such cases will be adapted to the particular needs and capacities of each student, and may be combined with that given by instructors in other departments. The list of graduate studies pursued, either wholly in the Scientific School, or conjointly with other departments, will be found on pp. 49, 50.

SPECIAL STUDENTS—For the benefit of those who, being fully qualified, desire to pursue particular studies without reference to obtaining a degree, special or irregular students are received in most of the departments of the School; not, however, in the Select Course, nor in the Freshman Class. It should be distinctly understood that these opportunities are not offered to persons who are incompetent to go on with regular courses, but are designed to aid those who have received a sufficient preliminary education elsewhere to increase their proficiency in special branches.

INSTRUCTION FOR UNDERGRADUATE STUDENTS

TERMS OF ADMISSION—Candidates must be not less than fifteen years of age, and must bring satisfactory testimonials of moral character from their former instructors or other responsible persons.

For admission to the Freshman Class the student must pass a thorough examination in the following subjects:

English—including grammar, spelling, and composition. In grammar, Whitney's Essentials of English Grammar, or an equivalent.

History of the United States.

Geography.

Latin—(1) Simple exercises in translating English into Latin. (Smith's "*Principia Latina*," Part i, is named as indicating the nature and extent of this requirement, and an acquaintance with it will be required unless a satisfactory substitute is offered.) (2) Cæsar—six books of the Gallic War, or their equivalent. (As advantageous substitutes for the last three books of Cæsar may be suggested three books of Vergil's *Æneid*, or a similar amount of Ovid.)

Arithmetic—Fundamental Operations, Least Common Multiple, Greatest Common Divisor, Common and Decimal Fractions, Denominate Numbers, including the Metric System of Weights and Measures; Percentages, including Interest, Discount, and Commission; Proportion, Extraction of the Square and Cube Roots.

Algebra—Fundamental Operations, Fractions, Equations of the First Degree, with one or several unknown quantities ; Inequalities, Ratio and Proportion, Involution, including the Binomial Formula for an entire and positive Exponent ; Evolution, the Reduction of Radicals, Equations of the Second Degree, Progressions, Permutations and Combinations, the Method of Indeterminate Coefficients, Fundamental Properties of Logarithms, Compound Interest.

Geometry—Plane, Solid, and Spherical ; including fundamental notions of Symmetry, and examples of Loci and Maxima and Minima of Plane Figures.

Trigonometry—including the Analytical Theory of the Trigonometrical Functions, and the usual formulæ ; the Construction and Use of Trigonometrical Tables ; and the Solution of Plane Triangles ; so much, for example, as is contained in Newcomb's *Trigonometry* to Art. 79, or in Wheeler's or Richards's or Wentworth's *Plane Trigonometry*, or in the *Plane Trigonometry* of Oliver, Wait and Jones. The Logarithmic and Trigonometric Tables furnished at the examination will be Newcomb's (Henry Holt & Co., New York, 1882).

While no entrance examination is held in the *History of England*, candidates for admission are urgently advised to make themselves as familiar as possible with that subject ; as a knowledge of it is essential to the most successful prosecution of some of the studies of the course.

Candidates will be allowed the option of passing on the above-named subjects in two successive years. In such cases they must present themselves for examination at the June examination of the first year in the following subjects or parts of subjects : *History of United States, Geography, Arithmetic, Plane Geometry, and Algebra to Quadratic Equations.*

In order to have this preliminary examination counted, candidates must pass satisfactorily on *all* the subjects ; and notice of the intention to divide the examination must be given to Professor G. J. Brush, Director of the School, on or before June 15.

For preparation in Algebra, Geometry, and Trigonometry, the recently published text books of Professor Newcomb (Henry Holt & Co., New York) may, without indicating undue preference, be especially recommended. And to the candidate who prepares in other works, they may serve to indicate the extent and kind of attainments expected in the prescribed topics. Candidates who prepare in the *Geometry* of this author, may for the present omit the short chapters on the Ellipse, Hyperbola, and Parabola ; though they will find it advantageous to study them.

In his preparation in GEOMETRY the candidate should, as far as practicable, have suitable exercises in proving simple theorems and solving simple problems for himself. It is important, too, that he should be accustomed to the numerical application of geometric principles, and especially to the prompt

recollection and use of the elementary formulæ of mensuration. In TRIGONOMETRY he should be exercised in applying the usual formulæ to a variety of simple reductions and transformations, including the solution of trigonometrical equations. Readiness and accuracy in trigonometrical calculations are also of prime importance to the candidate. If the use of logarithms is postponed in his preparation till Trigonometry is taken up (which is by no means necessary or advisable), he should then have abundant applications of them to all forms of calculation occurring in ordinary practice, as well as to those appearing in the solution of triangles. Finally, in all his calculations, he should study the art of neat and orderly arrangement.

In LATIN the student should have such continued training in parsing as shall make him thoroughly familiar with declensions and conjugations, and with the leading principles of syntax. To secure these results more effectually, the requirement has been adopted of simple exercises in translating English into Latin. As this course of exercises is designed solely as a preparation for reading, it should be begun at the earliest stage of Latin study. A very large proportion of the deficiencies in the Latin examination for several years past has been due to the neglect of the suggestions of this paragraph, and to the attempt to read a Latin author with totally inadequate grammatical preparation.

The examinations for admission in 1886 take place at North Sheffield Hall, on Thursday, Friday, and Saturday, July 1, 2, 3 (beginning at 9 A. M. on Thursday); and on Tuesday and Wednesday, September 21, 22 (beginning at 9 A. M. on Tuesday). Opportunities for private examinations may, in exceptional cases, be given at other times.

In 1886 examinations (for the Freshman Class only) will also be held in Andover, Mass., in Chicago, in Cincinnati, and in San Francisco (beginning on Thursday, July 1, at 9 A. M.), at places to be announced in local newspapers of the day previous. Candidates who propose to be present are requested to send their names to Professor G. J. Brush, Director of the School, before June 15. A fee of five dollars will be charged for admission to the examinations outside of New Haven.

Candidates for advanced standing in the undergraduate classes are examined, in addition to their preparatory studies, in those already pursued by the class which they wish to enter. No one can be admitted as a candidate for a degree, later than at the beginning of the Senior year.

COURSES OF INSTRUCTION, occupying three years, are arranged to suit the requirements of various classes of students. The first year's work is the same for all; for the last two years the instruction is chiefly arranged in special Courses.

The special Courses most distinctly marked out are the following :

- (a.) In Chemistry ; (b.) In Civil Engineering ;
- (c.) In Dynamical (or Mechanical) Engineering ;
- (d.) In Agriculture ; (e.) In Natural History ;
- (f.) In Biology preparatory to Medical Studies ;
- (g.) In studies preparatory to Mining and Metallurgy ;
- (h.) In select studies preparatory to other higher studies.

The arrangement of the studies is indicated in the annexed scheme.

FRESHMAN YEAR—INTRODUCTORY TO ALL THE COURSES:

FIRST TERM—*German*—Whitney's Grammar and Reader. *English*—Lounsbury's History of the English Language ; Exercises in composition. *Mathematics*—Spherical Trigonometry (Newcomb's) ; Plane Analytical Geometry. *Physics*—Recitations, with experimental lectures. *Chemistry*—Recitations and Laboratory practice. *Elementary Drawing*—Practical Lessons, in the Art School.

SECOND TERM.—*Language, Physics, and Chemistry*—as stated above. *Mathematics*—Plane Analytical Geometry, continued. *Physical Geography*—Lectures. *Botany*—Gray's Lessons, with Lectures. *Drawing*—Isometric Drawing, with application to drawing from models and structures by measurement. Shading and tinting. Principles of orthographic projection. Reading of working-drawings and isometric construction of objects from their orthographic projections. Sections.

For the Junior and Senior years the students select for themselves one of the following Courses :

(a.) IN CHEMISTRY :

JUNIOR YEAR :

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's. *Laboratory Practice*. *Blowpipe Analysis*. *German*. *French*.

SECOND TERM—*Theoretical Chemistry*—continued. *Laboratory Practice*—Quantitative Analysis, and experimental work in Organic Chemistry. *Mineralogy*—Blowpipe Analysis and determination of species. Lectures. *French*. *German*.

SENIOR YEAR :

FIRST TERM—*Organic Chemistry*—Lectures and Recitations. *Agricultural Chemistry*—Recitations (optional). *Laboratory Practice*—Volumetric and Mineral Analysis. *Geology*—Dana's. *Zoology*—Lectures. *French*.

SECOND TERM—*Organic Chemistry*—continued. *Laboratory Practice*—Analysis of Minerals and Technical Products. *Assaying* (optional). *Geology*—Dana's. *Mineralogy* (optional). *French*.

(b.) IN CIVIL ENGINEERING :

JUNIOR YEAR :

FIRST TERM—*Mathematics*—Analytical Geometry of Three Dimensions ; Elements of the Theory of Functions ; Differential Calculus. *Surveying*—Field Operations. *Drawing*—Descriptive Geometry, begun. *German. French.*

SECOND TERM—*Mathematics*—Integral Calculus ; Rational Mechanics. *Drawing*—Descriptive Geometry, concluded ; Topographical. *Surveying*—Topographical. *German. French.*

SENIOR YEAR :

FIRST TERM—*Field Engineering*—Laying out Curves. Location of line of Railroad, with calculations of Excavation and Embankment. Hencks's Field Book for Railroad Engineers. Searles's Field Engineering. *Civil Engineering*—Resistance of Materials. Bridges and Roofs, begun. Stone Cutting, with Graphical Problems. *Geology*—Dana's. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *French.*

SECOND TERM—*Civil Engineering*—Bridges and Roofs. Building Materials. Stability of Arches and Walls. Mahan's Civil Engineering. *Dynamics*—Principles of Mechanism. Steam Engine. *Hydraulics*—Hydraulics and Hydraulic Motors. *Drawing*—Graphical Statics. *Astronomy*—Loomis's Astronomy, with practical problems. *Mineralogy*—continued. *Geology*—Dynamic. *French.*

(c.) IN DYNAMIC ENGINEERING :

JUNIOR YEAR :

FIRST TERM—*Mathematics*—Analytical Geometry of Three Dimensions ; Elements of the Theory of Functions ; Differential Calculus. *Surveying*—Field Practice. *Principles of Mechanism*—Kinematics. *Shop Visiting*—Sketching Machine Details and Tools. *Drawing*—Descriptive Geometry, begun. *German. French.*

SECOND TERM—*Mathematics*—Integral Calculus ; Rational Mechanics. *Principles of Mechanism*—Applied Kinematics ; Transmission of Power by Belts and Gearing ; Forms of Teeth of Wheels ; Cams ; Parallel Motions, etc. *Shop Visiting*—continued. Sketching Machinery and Study of Mechanical Processes. *Study of the Steam Engine*—begun. *Drawing*—Descriptive Geometry, concluded ; Perspective and Shadows ; Machine Details.

SENIOR YEAR :

FIRST TERM—*Applied Mechanics*—Friction ; Moment of Inertia ; Centrifugal Force ; Elasticity and Strength of Materials ; Strains in Structures ; Theory of Flexure and Torsion ; Construction of Roofs and Bridges ; Equilibrium and Pressure of Fluids ; Theory of Flotation ; Flow of Fluids in pipes and channels ; Resistance of Ships. *Machine Designing*—Practical Exercises in Designing Machine Details and Simple Machines. *Study of the Steam Engine*—continued. *Shop Visiting*—Inspection of Machines and Study of Processes ; Reports of Visits.

SECOND TERM—*Hydrodynamics*—Theory of Water-Wheels, Turbines, and Water Pressure Engines. *Thermodynamics*—General principles of Heat em-

ployed as a source of power ; Theory of the Steam Engine ; Hot Air Engines ; Gas Engines. *Machine Designing*—continued. Practical Exercises in designing Machinery for Shaping Metals, Hoisting, Pumping, etc. Designs and Working Drawings of Steam Engines and Boilers ; Estimates of Weight and Cost of Machinery. *Shop Visits and Reports*.

(d.) IN AGRICULTURE :

JUNIOR YEAR :

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's. *Laboratory Practice*. *Blowpipe Analysis*. *German*. *French*.

SECOND TERM—*Theoretical Chemistry*—continued. *Laboratory Practice*—Quantitative Analysis. *Mineralogy*—Blowpipe Analysis and Determination of Species. *Physiology*—Huxley's. *Botany*. *French*. *German*.

SENIOR YEAR :

FIRST TERM—*Agriculture*—Cultivation of the Staple Crops of the Northern States. Tree Planting and Forestry. *Agricultural Chemistry*—Johnson's. *Organic Chemistry*—Lectures and Recitations. *Geology*—Dana's. *Botany*. *Zoology*. *English*. *French*.

SECOND TERM—*Agriculture*—Laws of Heredity and Principles of Breeding ; Lectures. *Geology*—Dana's. *Rural Economy*—Systems of Husbandry. *Agricultural Chemistry*—Johnson's. *Organic Chemistry*—continued. *Geology*—Dana's. *Zoology*. *Botany*. *Microscopy*. *English*. *French*.

(e.) IN NATURAL HISTORY :

(Either Geology, Mineralogy, Zoology, or Botany, may be made the principal study, some attention in each case being directed to the other three branches of Natural History.)

JUNIOR YEAR :

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's ; *Laboratory Practice* ; Recitations. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *Botany*—Gray's Manual ; *Laboratory Practice*. *German*. *French*.

SECOND TERM—*Zoology*—Laboratory Practice ; Recitations ; Excursions (land and marine). *Botany*—Laboratory Practice ; Excursions. *Physiology*—Huxley's. *Mineralogy*—continued. *Physical Geography*. *German*. *French*.

SENIOR YEAR :

FIRST TERM—*Geology*—Dana's ; Excursions. *Zoology*—Laboratory Practice ; Lectures ; Recitations ; Excursions. *Botany*—Herbarium Studies ; Gray's Text-book ; Excursions. *French*.

SECOND TERM—*Geology*—Dana's. *Anatomy of Vertebrates*—Huxley's. *Zoology*—Laboratory Practice ; Recitations ; Lectures. *Botany*—Herbarium Studies, especially in the Cryptogamous Orders ; Botanical Literature ; Essays in Descriptive Botany. *Meteorology*. *French*.

Besides the regular courses of recitations and lectures on structural and systematic Zoology and Botany, and on special subjects, students are taught to prepare, arrange, and identify collections, to make dissections, to pursue original investigations, and to describe genera and species in the language of science. For these purposes, large collections in Zoology and Palæontology belonging to the College are available, as are also the private botanical collections of Professor Eaton.

(f.) IN BIOLOGY PREPARATORY TO MEDICAL STUDIES:

JUNIOR YEAR:

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's; Laboratory Practice; Recitations. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *German. French.*

SECOND TERM—*Anatomy and Histology*—Laboratory Practice, Lectures and Recitations. *Physiology*—Huxley's; Practical Exercises. *Embryology*—Lectures. *Theoretical Chemistry*—continued. *Mineralogy*—continued. *Botany*—Lectures; Practical exercises in Phenogamous Plants; Excursions. *German. French.*

SENIOR YEAR:

FIRST TERM—*Physiological Chemistry*—Recitations, Laboratory Practice, and Lectures. *Organic Chemistry*—Lectures and Recitations. *Zoology*—Lectures. *Botany*—Practical exercises, Lectures, and Excursions. *Geology*—Dana's. *French.*

SECOND TERM—*Physiological Chemistry*—continued. *Experimental Toxicology. Geology*—Dana's. *Zoology*—Lectures. *Sanitary Science*—Lectures. *Laws of Heredity and Principles of Breeding*—Lectures. *French.*

(g.) IN STUDIES PREPARATORY TO MINING AND METALLURGY:

Young men desiring to become Mining Engineers can pursue the regular Course in Civil or Mechanical Engineering, and at its close can spend a fourth year in the study of metallurgical chemistry, mineralogy, etc.

(h.) IN THE SELECT STUDIES PREPARATORY TO OTHER HIGHER STUDIES:

JUNIOR YEAR:

FIRST TERM—*Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *Physical Geography*—Guyot; Lectures. *English*—Early English. *History*—Green's Short History of the English People. *French. German.*

SECOND TERM—*Mineralogy*—Lectures. *Astronomy. Botany*—Lectures; Excursions; Laboratory Practice. *English*—Chaucer, Bacon, Shakspeare. *History*—Green's History, continued. *German. French.*

SENIOR YEAR:

FIRST TERM—*Geology*—Recitations and Excursions. *Zoology*—Lectures and Excursions. *Linguistics*—Whitney's Life and Growth of Language. *English*—Shakspeare. *Constitutional Law of the United States. French.*

SECOND TERM—*Geology*—continued. *Meteorology*—Lectures. — *Sanitary Science*—Lectures. *Political Economy*—Recitations and Lectures. *English*—Shakspeare, Milton, Dryden, Pope, Gray, and later authors. *French*.

Exercises in English Composition are required during the entire course from all the students. The preparation of graduating theses is among the duties of the Senior Year.

Lectures on Military Science and Tactics are annually given by General Abbot, and other officers of the Engineer Corps of the United States Army.

THE TERMS AND VACATIONS correspond with those of the Academical Department. (See Calendar, p. 4.)

EXPENSES—The charge for tuition for undergraduate students is \$150 per year, payable \$55 at the beginning of the first and second terms, and \$40 at the middle of the second term. The student in the Chemical course has an additional charge of \$70 per annum for chemicals and use of apparatus. He also supplies himself at his own expense with gas, flasks, crucibles, etc., the cost of which should not exceed \$10 per term. A fee of \$5 is charged members of the Freshman Class for chemicals and materials used in their laboratory practice, and the same fee is required from all (except Chemical students) who take practical exercises in Blowpipe Analysis and Determinative Mineralogy. A fee of \$5 a term is also charged to students in the Zoological and Anatomical Laboratories, for materials and use of instruments. An additional charge of \$5 is annually made to each student for the use of the College Reading Room and Gymnasium.

For the graduate students the charge for tuition is one hundred dollars per year.

THE FEES for graduation of BACHELOR OF PHILOSOPHY are \$10; unless the person taking the degree is also a graduate of the Academical Department, when the fee is but \$5.

DEGREES

THE DEGREE OF BACHELOR OF PHILOSOPHY is conferred on those who have completed one of the three-year courses, and have passed the examination at its close.

CIVIL AND DYNAMIC ENGINEER—See page 51.

DOCTOR OF PHILOSOPHY—See page 48.

SCHOOL OF THE FINE ARTS

THE COUNCIL of this Department consists of the following *ex-officio* members:—the President of the College, the President of the National Academy of Design, the President of the New York Museum of Art, and the Director of the School, who is also the Secretary; together with four members by election, Mr. DONALD G. MITCHELL, Mr. EDWARD E. SALISBURY, Mr. JOHN DAVENPORT WHEELER, and Mr. WILLIAM W. FARNAM.

THE FACULTY, on whom devolves the internal management of the School, consists of the President of the College, and the Professors whose names and departments of instruction are as follows:—JOHN F. WEIR, Professor of Painting, and Director of the School; JAMES M. HOPPIN, Professor of the History of Art; JOHN H. NIEMEYER, Professor of Drawing. Other instructors are, FREDERIC R. HONEY, in Geometry and Perspective; JOHN P. C. FOSTER, M.D., in Anatomy; HARRISON W. LINDSLEY, in Architecture.

The School has for its end the cultivation and promotion of the Arts of Design, viz: PAINTING, SCULPTURE, and ARCHITECTURE, through practice and criticism. The aim is—

1st. To provide thorough technical instruction in the Arts of Painting, Sculpture, and Architecture.

2d. To furnish an acquaintance with all branches of learning relating to the History, Theory, and Practice of Art.

The courses of instruction provided under these heads—of Practice and Criticism—may be regarded as distinct, or correlative, embracing that technical and theoretical knowledge of art which is no less desirable for the critic than for the artist.

THE COURSE OF INSTRUCTION, covering three years, is arranged as follows:

I. DEPARTMENT OF DRAWING AND PAINTING:

First Year:

DRAWING—from the flat, from the antique, from the living model.

PERSPECTIVE—projection drawing; linear perspective.

ANATOMY—the skeleton; articulations; muscular system.

LECTURES—the elements of form; principles and means of art.

Second Year :

DRAWING—technical practice ; studies from the living model.

PERSPECTIVE—shadows and reflections ; applications and examples.

ANATOMY—the anatomy of external forms ; proportions ; equipoise and motion.

PAINTING—technical discipline ; studies from casts and still-life.

LECTURES—on color, chiaroscuro, and composition.

Third Year :

PAINTING—technical practice ; studies from the living model.

COMPOSITION—studies in color and chiaroscuro ; design.

LECTURES—on the history, theory, and practice of art.

In the departments of Drawing and Painting, the practice of the studio is based upon the study of the human form.

The practice in drawing is supplemented by lectures on Form and Proportion, and that in painting by lectures on Color, Chiaroscuro, and Composition.

Drawing is continued, without interruption, through the first half of the course, or until the student evinces that proficiency which will warrant advancement. Painting is continued through the remainder of the course. Students will be encouraged to remain in the School and pursue advanced studies after the three years' course is completed.

In PERSPECTIVE, instruction is given in the form of lectures ; students will be required to work out the examples, or problems, and submit them for examination at the next meeting of the class. The subject has two divisions : the first is devoted to projection drawing and linear perspective ; the second to shadows and reflections, with applications and problems. At the close of the course an examination is held, and the standing of the student is determined.

In ANATOMY, instruction is likewise given in the form of lectures. This subject has also two divisions : the first is devoted to the bones and articulations of the skeleton, and the muscular system ; the second to the anatomy of external forms, proportions, equipoise, and motion. Students are required to draw, in detail, the parts under discussion by the lecturer, and submit the same, for examination, at the next meeting of the class. At the close of the course the relative standing of the pupils is determined by examination.

II. DEPARTMENT OF SCULPTURE:

First Division :

MODELING—from casts of heads, and fragments of antique statues.

ANATOMY—skeletons ; articulations ; muscular system.

LECTURES—on form ; principles of proportion.

Second Division :

MODELING—from the living model.

ANATOMY—external forms ; equipoise and motion.

LECTURES—history of Greek Sculpture and Christian Art.

III. DEPARTMENT OF ARCHITECTURE:

First Division :

DRAWING—from the flat, from casts of Architectural ornaments, India-ink and water-color drawing.

MATHEMATICS*—plane descriptive geometry ; isometric projection ; linear perspective.

ARCHITECTURE—the five orders ; studies of classical details ; projects—doors, windows, porticos, etc.

Second Division :

DRAWING—casts of architectural ornament ; water colors.

MATHEMATICS—descriptive geometry, including warped surfaces and stone-cutting ; resistance of materials.

ARCHITECTURE—history of architecture ; the various styles ; studies of details in various styles ; projects—dwelling-houses, stores, public buildings, etc.

PROJECTS will be given out once a month (or twice in two months), and the finished drawings will be placed on exhibition for comparison at the end of the year. Examinations will be held, and, at the close of the course, a program will be given for a final project and thesis.

* Students having the requisite knowledge of mathematical subjects may omit them, but will be required to pass examinations in the subjects specified above.

COURSES OF LECTURES are provided in each department of instruction, in addition to the technical discipline. These lectures, on the History and Philosophy of Art, and kindred subjects, are illustrated with photographs, thrown upon a screen by the calcium light. The attendance of the students on all the lectures, with the exception of public lectures, is obligatory.

AN EXHIBITION of the work of students is opened June 1st, and continues through the summer vacation.

PRIZES may be competed for, both in Drawing and Painting, at the close of the course; the necessary qualification includes, in drawing, an approved knowledge of perspective; and in painting, a requisite acquaintance with anatomy—as provided for by the instruction given in these branches.

DIPLOMAS are only awarded those who remain through the full course, or pass the requisite examinations.

THE CHARGE FOR TUITION is thirty-six dollars for three months, *in advance*; and no student will be admitted for a shorter period. Undergraduate students, in any Department of the College, are charged one-half the usual rate of tuition. Art students are admitted *free* to all the lectures delivered in the School, whether public lectures or those in regular course; to the collections at all times; and are entitled to such privileges, under the usual restrictions, as are granted to students in other Departments of the College.

The School is open to both sexes, but no student will be admitted under fifteen years of age.

The ART LIBRARY is open at specified hours for the use of students.

The COLLECTIONS embrace the “Jarves Gallery of Italian Art,” numbering one hundred and twenty paintings, dating from the 11th to the 17th centuries: the “Trumbull Gallery” of original portraits and other works, by John Trumbull, numbering fifty-four pictures; a collection of portraits and works of contemporaneous art, numbering about one hundred pictures; together with about one hundred and fifty casts and marbles, the former from many of the best productions of ancient art. The collections are open daily for the use of students, and to the public, during the winter, from 1 to 5 P. M.; and during the summer, from 9 A. M. to 6 P. M. The proceeds of the exhibitions are applied to the incidental expenses of the School.

"Students' Season Tickets," at fifty cents each, admitting the holders to the Exhibitions throughout the year, are furnished to students of all other Departments of the College.

This Department is open to all who desire to avail themselves of its instructions, without restriction, save as to age and general good character. It aims to embrace a wide field of usefulness in connection with the knowledge and promotion of art, and to offer every facility to the student, both in the way of criticism and technical discipline.

The term begins October 1st and ends on the 31st of May.

All applications for admission to the School should be made through the Director. It is particularly desirable that these applications be made before October 1st.

DEPARTMENT OF THEOLOGY

THE FACULTY consists of the President of the College, a Professor of the Hebrew Language and Literature and Biblical Theology (Old Testament), a Professor of Systematic Theology, a Professor of Homiletics and the Pastoral Charge, a Professor of Ecclesiastical History, a Professor of Sacred Literature, and a Professor of Biblical Theology (New Testament).

THE CONDITIONS OF ADMISSION are membership in some evangelical church, or other satisfactory evidence of Christian character, and a liberal education at some College, or, in exceptional cases, an equivalent preparation for theological studies. Students of every Christian denomination, in case they are possessed of these qualifications, are admitted.

It is expected that every student will be promptly on the ground at the beginning of the session. Rooms are assigned in the order of application, but no room will be reserved for any applicant who neglects to appear, beyond one week after the opening of the term.

THE REGULAR COURSE OF INSTRUCTION occupies three years, and is arranged in the following order:

JUNIOR YEAR :

Professor DAY will lecture on the Encyclopedia and Literature of Theology, and give instruction in Hebrew Grammar and Philology. Portions of the historical books of the Old Testament in the original will be carefully read and analyzed, and critical and exegetical dissertations will be presented by the class on points of special difficulty or importance.

Professor DWIGHT will give instruction in the exegetical study of the Greek New Testament. The course includes, in addition to the regular exegetical exercises, the critical investigation of the Greek text and the study of the subjects connected with the Introduction to the New Testament. Dissertations of a critical and exegetical character will, also, be prepared by the students and discussed in the presence of the class.

Professor HARRIS will lecture on the Philosophical Basis of Theism ; also on Natural Theology, the Evidences of Christianity, and the Inspiration of the Scriptures ; also, as incidental to these topics, on the various forms of Skepticism.

MIDDLE YEAR :

Professor HARRIS will lecture on Systematic Theology. This course will include a full and systematic investigation of the doctrines of Christianity, and of existing questions and controversies in respect to them. The lectures are accompanied by examinations and free discussions.

Professor FISHER will lecture on General Church History, including the following topics: an historical survey of the Old or Preparatory Dispensa-

tion in its relation to Christianity ; the establishment and spread of Christianity (including Missions and persecutions); Ecclesiastical Polity (including the rise and rule of the Papacy, and the Reformation); and the History of Christian Life and Worship.

Professor DAY will give instruction in Old Testament Biblical Theology, with special reference to the progressive stages of Divine revelation, and the doctrinal results of the modern critical study of the Bible. He will also lecture on portions of the Hebrew Scriptures, especially the poetical and prophetical books, and will give instruction in Chaldee to such members of the class as may desire it.

Professor HARRIS will lecture on Church Polity.

Professor DWIGHT will continue to give instruction by lectures and recitations, in the exegetical study of the New Testament, especially the Pauline Epistles.

SENIOR YEAR :

Professor BRASTOW will lecture on Practical and Pastoral Theology. These lectures will have reference to the life and practical activities of the Christian church, as connected with the interests of the Kingdom of God, and to the calling, training, and official and personal duties of the Christian ministry. He will also lecture on Homiletics, and will conduct a class exercise in the criticism of sermons and plans of sermons, and have charge of the weekly public rhetorical exercise in the chapel. It is proposed to make these practical exercises a prominent feature in the course. He will, also, give private instruction to each member of the class in connection with the criticism of sermons, and will give aid in the study of Homiletical and General Literature.

Professor FISHER will lecture on the history of Christian Doctrine and on Symbolical Theology, and students will be aided in pursuing historical investigations for themselves.

Professor DWIGHT will lecture on some topics of special interest connected with the different books of the New Testament.

Professor DAY will lecture on portions of the Old Testament, and will read, with those who wish to prosecute the study of Syriac, the Peshito version of the New Testament.

Professor RUSSELL will give instruction in New Testament Biblical Theology.

GRADUATE CLASS—FOURTH YEAR :

Into this class, which was established in 1879, only those who have completed a three years' course in this or some other Theological School, can be admitted. It is designed to meet the wants of those who desire to pursue an advanced course of general theological study, or to apply themselves to special subjects of reading or investigation in any of the departments of theology, for one year or more, under the advice and direction of the Professors and with the helps furnished by the Seminary and College libraries.

For the present year, the following are the subjects, selected after conference between them and the Professors, to which the whole class, or portions of it, attend. Individual members of the class pursue other branches of theological study by private arrangement with the Professors.

I. PRESIDENT PORTER: Special Topics in Philosophy and Philosophical Theology.

II. PROFESSOR DAY: The Revised Version of the Old Testament, compared with the recent German, Danish, and Norwegian Revisions; Edersheim's Prophecy and History relating to the Messiah read and discussed.

III. PROFESSOR HARRIS: Reading of Dorner's Theology and Martensen's Ethics, General, Individual and Social.

IV. PROFESSOR FISHER: Weiss's Life of Jesus, read and discussed.

V. PROFESSOR DWIGHT: Origin of the Synoptical Gospels; Paul and his Thoughts.

VI. PROFESSOR BRASTOW: Discussion of important topics in Practical Theology.

VII. PROFESSOR RUSSELL: Lotze's Microcosmus.

Optional Studies in either Year:

Professor DAY will read, free of charge, with those students who desire to become familiar with the theological literature of Germany and have made sufficient progress in the language, some standard work in German on Christian doctrine, with critical remarks, and reference to the ablest works on special topics. The grammatical study of the language may be pursued with the classes in the Sheffield Scientific School.

Professor WHITNEY will give instruction to those who desire it in Sanskrit.

The following courses of lectures in the Academical Department may be attended, free of charge, provided that they do not interfere with the regular studies of the Seminary: on *Intellectual and Moral Philosophy*, by President PORTER and Professor LADD; on *Evolution and Cosmogony*, by Professor DANA; on *History*, by Professor WHEELER; on *Political and Social Science*, by Professor SUMNER. Students may also be admitted to the various courses of lectures in the Sheffield Scientific School. These opportunities for obtaining wider culture, without additional expense, will be of special value to graduates of colleges and others, who desire the means of pursuing studies to which they have not attended, or in which they seek further information.

Those who intend to become Foreign Missionaries have the privilege of attending the lectures in the Medical Department, on the payment of the matriculation fee of five dollars.

EXERCISES IN PUBLIC SPEAKING—There will be an exercise for all the classes, in the presence of the Faculty, once in two weeks, in the reading of the Scriptures and hymns, and in the delivery of sermons, or parts of sermons or addresses. Every alternate week there will be a conference, designed to cultivate the power of *extemporaneous speaking*, in which the students will be called on to present their views on some subject selected by the Faculty. Weekly debates are also held by the students, in societies of their own.

ELOCUTION:

A thorough course of instruction in Elocution will be given to the students, which will be progressive in its character and will extend through the three years of study for each class.

To the Junior Class a full course of lectures will be given on the principles of logical and emotional analysis and expression, and on oratorical action and vocal culture. This will be followed by individual practice in speaking and reading.

In the Middle year will be added extended and frequent special practice in Scripture and Hymn reading and the reading and delivery of sermons.

To the Senior Class the instruction will be given mainly in private lessons, and will be designed to meet, so far as may be possible, the special needs of each individual in his preparation for the duties of the preacher's office.

LICENSE TO PREACH—The regular time for applying for a license is at the close of the second year's study, before which time members of the Department are not allowed to preach.

PUBLIC WORSHIP—Prayers are attended every morning in the MARQUAND Chapel, with reading of the Scriptures and singing. It is optional with the student whether to attend the College Church, or one of the City Churches; but whatever may be his decision, it is hoped that he will actively engage, so far as may not be inconsistent with the prosecution of his studies, in some form of City Mission, Sabbath School, or other benevolent labor, for which constant opportunities are offered.

LIBRARIES—The *Reference Library* of the School, established through the liberality of Mr. Henry Trowbridge, of New Haven, and containing a careful selection of nearly three thousand volumes in various languages, is placed in the Bacon Memorial Hall, recently erected between the Marquand Chapel and the West Divinity Hall. It is designed to furnish the students with the standard and most recent books in every branch of theological literature and those most frequently called for in the pursuit of their studies. It is open several hours daily, for consultation, and thus takes the place, for each student, of a well selected private library.

The valuable *Library of Church Music*, belonging to the late Dr. Lowell Mason, has been given to this Department by his family. This Library, which is placed in the West Divinity Hall, and is one of the largest of the kind in the country, will be open for the use of students.

The *College Library*, to which the students have access without charge, contains over 125,000 volumes, and is open five hours on every secular day for consultation and for the drawing of books. The Library of the College literary societies, containing about 28,000 volumes in general literature, is accessible to theological students.

PHYSICAL EXERCISE—The College Gymnasium is open to the students of this Department at a small charge. The harbor

of New Haven affords excellent facilities for boating, to those inclined to this mode of exercise.

THE ROOMS in the two DIVINITY HALLS are provided with carpets, beds, and every necessary article of furniture (except bedding). They are assigned to new students in the order of application. A few rooms have two bedrooms, attached to them, but, in general, provision is made for each student to room alone. The buildings are warmed throughout by steam, and lighted by gas.

EXPENSES AND PECUNIARY AID—Students have only to make pecuniary provision for about eight months of study annually. In the remaining four months of vacation, from May to September, they are at liberty to engage in Home Missionary or other labor, with remuneration for their services.

The expenses for the annual session are \$3.00 to \$3.50 a week for board; \$25 to \$30 for fuel and lights; and \$10 a year for care of room and other incidental expenses. There is no charge for instruction, room rent, or use of Libraries.

Students in the Junior, Middle, and Senior Classes, whose circumstances require it, will receive \$100 a year from the income of scholarships and other funds belonging to the Department. Additional aid, the amount of which has generally been from \$75 to \$100 annually, is afforded by the American College and Education Society to its beneficiaries. In special cases additional aid towards the expense of board will be given. These means of assistance fully cover the expenses mentioned above.

Members of the Graduate Class will be furnished with rooms free of rent, and no charge will be made for instruction or the use of Libraries.

The Scholarships belonging to the Department bear respectively the names of James Hillhouse, William Leffingwell, George E. Dunham, Normand Smith, E. E. Salisbury, Thomas R. Trowbridge, Charles Atwater, Richard Borden, Samuel Holmes, Charles Nichols, Noah Porter, John DeForest, James Dwight, J. B. Beadle, David Root, Rebecca Breed, Mary Goodman, Orin Fowler, Edward Bull, W. W. Seymour, William S. Eakin, Cassius Welles, and Robert McEwen.

A GRADUATE FELLOWSHIP has been established in this Department, as a memorial of the late Mrs. Aurelia D. Hooker, of New Haven. It was offered for the fifth time to the class

entering in September, 1884, and will be offered for the sixth time to the class entering in September, 1886. It will be assigned at graduation to that member of the class who shall be judged by the Faculty to have made such proficiency in his theological studies as best to qualify him for the advantages offered by this foundation for the further prosecution of the same. The person to whom the scholarship is given receives the annual income (\$700) for two years after graduation, and is expected to pursue a course of theological study under the direction of the Faculty, either as a resident at the Seminary, or in case he may prefer to do so, in Europe and Palestine.

After the close of the second year in May, students have frequent opportunities to receive remuneration for preaching in neighboring churches.

In general it may be said, that sufficient aid will be provided for every young man who gives promise of usefulness in the ministry, to enable him, in connection with his own efforts, to complete a course of theological study.

COMMENCEMENT OF THE TERM, VACATION, ETC.—The session for 1885-86 began on Thursday, September 24, and will continue till the third Thursday in May, when the public anniversary is held. The annual examination of the classes and the meeting of the Alumni are held in the same week. The next annual term will begin on Thursday, September 23, 1886.

By thus throwing all the vacations into one, the most favorable season of the year is secured for study, while the opportunity is given, in the four months' vacation, to engage in some form of benevolent labor, in connection with the mission efforts of the churches, or in the service of one of the benevolent societies, by which the practical experience required of the pastor, as well as pecuniary compensation, may be obtained. Should any students prefer to spend the vacation in theological reading, the Professors will counsel them in the choice of books.

THE DEGREE of Bachelor of Divinity is conferred on all members of the Department who at the end of the Senior year pass the prescribed examination, and present an approved thesis on some topic of theology.

Blank forms of application for admission may be obtained of the Secretary, Professor George E. Day, New Haven, Conn., or from any of the other professors.

DEPARTMENT OF MEDICINE

THE FACULTY consists of the President of the College, a Professor of Chemistry, a Professor of Anatomy, a Professor of Physiology, a Professor of Materia Medica and Therapeutics, a Professor of Pathology, a Professor of the Principles and Practice of Medicine, a Professor of Surgery, a Professor of Obstetrics and the Diseases of Women and Children, and a Professor of Clinical Gynæcology. These are assisted in instruction by a Demonstrator of Anatomy, a Lecturer on Normal Histology, a Lecturer on Dermatology, a Lecturer on Diseases of the Nervous System, a Lecturer on Insanity, a Lecturer on Ophthalmology, a Lecturer on Public Hygiene, an Assistant in Pathology, and an Assistant in Chemistry.

The system of instruction is arranged in a graded course, extending over three full years.

The College year extends from the first Thursday in October to Commencement, with a vacation of three weeks at Christmas, and a recess in the spring, usually of one week.

The first term begins with the first Thursday of October, and continues for eleven weeks. The second term begins three weeks after the close of the first, and continues for twelve weeks. The third term is eleven weeks in length, ending at Commencement.

Throughout the year instruction is given by lectures, and recitations, combined with practical work in Anatomical, Chemical, Physiological, Pathological, and Histological Laboratories.

TERMS OF ADMISSION

All candidates for admission, excepting those who have passed an examination for admission to the undergraduate Academical Department of Yale College or some similar institution, must present a degree in Letters or Science from a recognized college or scientific school, or pass an examination in the following subjects :

I. MATHEMATICS: Algebra to Quadratics; Euclid, two books; Metric System of Weights and Measures.

2. PHYSICS: Balfour Stewart's Elementary Physics, or some equivalent work.

These examinations are conducted in writing. Grammar, spelling, and construction are considered in judging of the papers. Copies of the questions of previous examinations will be furnished on application to the Dean.

These examinations will be held at the Medical College at 9 A. M., on the Wednesday preceding the opening of the College year, and on the Thursday following its close.

In conjunction with other Departments, examinations will be held on the Thursday after Commencement in Chicago, Cincinnati, and San Francisco. Particulars of the time and place will be announced in the local papers. A fee of five dollars will be charged for admission to these examinations.

Students applying for admission who are not fully prepared in all the above mentioned studies, will be admitted on condition that the deficiency be made up within a reasonable time.

Students who have studied elsewhere, either in any recognized Medical School, or under private preceptors of good standing, may present themselves for examination three weeks before Commencement, and enter the examinations of the first one or two years as they see fit. The results of the examinations will determine the class to which they belong.

Applicants for advanced standing who present themselves at other times of the year, will be assigned by the Dean to such class as they may from their representations seem to be fitted for; but at the next annual examination, they will be examined as if appearing then for the first time.

COURSE OF INSTRUCTION

JUNIOR YEAR:

General Chemistry: Lectures and recitations, four times a week, Professor Smith and Dr. Lockwood. Chemical Laboratory, four times a week, Professor Smith and Dr. Lockwood.

Anatomy: Lectures and recitations, five times a week, Professor Sanford and Dr. C. P. Lindsley. Dissections, four times a week from November 1 to April 1, Dr. C. P. Lindsley. Autopsies, Professor White.

Histology: Laboratory work, once a week, Dr. Prudden.

Physiology: Recitations, twice a week, Professor Thacher.

MIDDLE YEAR :

Anatomy: Lectures and recitations, five times a week, Professor Sanford and Dr. C. P. Lindsley. Dissections, four times a week from November 1 to April 1, Dr. C. P. Lindsley.

Materia Medica and Therapeutics: Lectures and recitations, three times a week, Professor Russell.

Physiology: Lectures and recitations, twice a week, Professor Thacher.

Pathology: Lectures and recitations, once a week, Professor White. Laboratory work, once a week, Professor White and Dr. Wheeler. Autopsies, Professor White.

Medicine: Lectures on General Medicine, three times a week, Professor C. A. Lindsley. Medical Clinic, once a week, Professor C. A. Lindsley.

Surgery: Lectures on General Surgery, three times a week, Professor Carmalt. Surgical Clinic, once a week, Professor Carmalt.

Obstetrics and Diseases of Children: Lectures and recitations, twice a week, Professor White. Clinic for Diseases of Women, once a week, Professor Beckwith.

Dispensary Clinics, daily. Hospital Clinics, weekly. Operations at the Hospital.

SENIOR YEAR :

Pathology: Lectures and recitations, once a week, Professor White. Laboratory work, once a week, Professor White and Dr. Wheeler. Autopsies, Professor White.

Medicine: Lectures on General Medicine, three times a week, Prof. Lindsley. Medical Clinic, once a week, Professor Lindsley. Lectures on Diseases of the Nervous System, once a week, Dr. Ayres. Lectures on Insanity, once a week, for nine weeks, Dr. Stearns. Lectures on Dermatology, once a week, Dr. Fleischner.

Surgery: Lectures on General Surgery, three times a week, Professor Carmalt. Surgical Clinic, once a week, Professor Carmalt. Lectures on Ophthalmology, once a week, Dr. St. John.

Obstetrics and Diseases of Children: Lectures and recitations, twice a week, Professor White. Clinic for Diseases of Women, once a week, Professor Beckwith.

Dispensary Clinics, daily. Hospital Clinics, weekly. Operations at the Hospital.

CHEMISTRY—The instruction in Chemistry is given by experimental lectures and recitations, and by laboratory work. The latter includes Qualitative and the elements of Quantitative Analysis, Physiological and Pathological Chemistry. Toxicology is taught by a special course of lectures and experiments. The subject of Organic Chemistry occupies about one-half of the lecture course. Graduates and other advanced students are received into the laboratory and supplied with the means for original investigation.

ANATOMY is taught by recitations and lectures fully illustrated, and by practical work.

The spacious and well-appointed dissecting rooms, under the personal direction of the Demonstrator, are supplied with anatomical material, and are open to students of all classes from November until April.

PRACTICAL NORMAL HISTOLOGY is taught in the laboratory by Dr. T. MITCHELL PRUDDEN. Each student is furnished with a microscope and the requisite accessories, and is taught how to prepare and study the tissues and organs, of which he makes sketches and a typical collection of his own for future reference.

PATHOLOGY is taught by lectures and recitations, and by practical work with the microscope in Pathological Histology. In this course students are taught to prepare and preserve microscopic specimens of morbid tissues.

Pathological Anatomy is illustrated by a large collection of specimens and drawings, with which the Museum is supplied, supplemented by fresh pathological specimens. Students are also expected to attend all the *Autopsies* made at the *Morgue of the State Hospital*. This large and convenient Morgue was constructed with special reference to rendering autopsies available for the instruction of students.

PHYSIOLOGY is taught in lectures and colloquial recitations freely illustrated by experiments. Able and industrious students, who wish to pursue the subject more extensively and thoroughly, will be received into the physiological laboratory.

MATERIA MEDICA AND THERAPEUTICS—Recitations from textbooks are the chief means of instruction in Materia Medica. But the botany, physical character of drugs, and chemical constitution, receive much less attention than their physiological actions and therapeutic uses. The lectures are devoted more particularly to the elucidation of the latter subjects.

PRACTICE OF MEDICINE—The instruction in this branch of study is given by both lectures and recitations, the purpose being to give students the advantages of either method, whichever by the nature of the special topic may seem most practical.

A CLINIC is held weekly at the college at which students in the Senior Class are required to make personal examination of patients and present diagnostic points for criticism.

SURGERY—The instruction in *Surgery* consists of three didactic lectures and one clinic weekly. Care is taken to individualize the instruction to the requirements of each student, and to familiarize all with the actual appearance of diseases as shown in the wards of the General Hospital, as also with the most modern methods of examination and diagnosis. A surgical clinic is held once a week at the State Hospital.

The Senior Class are afforded opportunities for practical operations in Surgery upon the cadaver.

Dr. St. John lectures once a week on Ophthalmology.

OBSTETRICS AND DISEASES OF WOMEN AND CHILDREN are taught by lectures and recitations, with demonstrations of the operations in midwifery. The Senior Class receive clinical instruction in obstetrics at the bedside.

GYNÆCOLOGY is taught by lectures and clinics.

SPECIAL COURSES are conducted by Dr. Ayres on Nervous Diseases; Dr. Stearns, of Hartford, on Mental Diseases; Professor Brewer, on Public Hygiene; Dr. St. John, of Hartford, on Ophthalmology; Dr. Fleischner, on Dermatology; and a brief course of lectures by Leonard Waldo, S.D., on Thermometry.

MEDICAL JURISPRUDENCE—Several of the professors give lectures on Medical Jurisprudence as it is related to their respective departments of instruction.

THE STATE HOSPITAL, containing over a hundred beds, constantly affords ample material for the illustration of disease, and furnishes frequent opportunities for the performance of the minor and capital surgical operations.

CLINICS

A **SURGICAL CLINIC** is held at the College at 3 P. M. every Tuesday, and a **MEDICAL CLINIC** at 3 P. M. every Friday; a **GYNÆCOLOGICAL CLINIC** is held at the State Hospital at 3 P. M. every Thursday.

MEDICAL AND SURGICAL CLINICS are also held at the State Hospital, and the students are invited to see the patients in the wards. Surgical operations are conducted, when practicable, in the amphitheatre, where students have opportunity to witness important operations.

THE NEW HAVEN DISPENSARY, located on the College grounds, is visited by several thousand patients annually.

Three of the attending physicians are present daily, giving attention to diseases in their own specialties. Students in the Middle and Senior classes receive free tickets to the Dispensary and are instructed in the diagnosis and treatment of special diseases.

REQUIREMENTS FOR A DEGREE

Every candidate must be twenty-one years of age, and of good moral character; he must have pursued medical studies for three years, two of which must have been in a recognized medical college, and the last of which must have been at this school; he must have passed the required examinations in all the studies of the three years' course.

EXAMINATIONS

Examinations are held at the close of each year on the studies of that year. The examinations at the end of the first year are upon Chemistry, Histology, and Elementary Physiology.

Those at the end of the second year are upon advanced Physiology, Anatomy, Materia Medica and Therapeutics.

Those at the end of the third year are upon Pathology, Surgery, Medicine, and Obstetrics.

FEES AND EXPENSES

Matriculation Fee (paid upon entering the school).	-	-	\$ 5.00
Tuition Fee, for one year,	-	-	125.00
Graduation Fee,	-	-	30.00

Of the tuition fee for the year, \$45 is due at the beginning of the first term, \$45 at the beginning of the second term, and \$35 at the beginning of the third term. Students who have attended and paid for two full years will be entitled to attend the third year at three-fifths the above rates. Fees are to be paid to the College Treasurer, except the graduation fee, which is paid to the Dean.

There are no extra expenses of any kind, except the actual cost of breakage in the Chemical Laboratory, to be paid to the Professor of Chemistry, and \$5 a part for anatomical material, to be paid to the Demonstrator.

BOND—Students who do not pay in advance are required to give a bond to the Treasurer of the College for three hundred dollars, executed by a satisfactory bondsman; a blank for this

bond will be furnished on application to the Treasurer. Those who deposit such bond will receive term bills, with interest added, shortly before the end of each term, to be paid on or before the beginning of the next succeeding term, and students who deposit bonds must pay all arrearages before they can receive back their bonds from the Treasurer. No degree can be conferred until all term bills are discharged.

For further information, address Professor Herbert E. Smith, Dean.

PRIZE

THE KEESE PRIZE — The income of "The Keese Prize Fund," amounting to about \$120 annually, is awarded by the Faculty to that member of the graduating class who presents the best thesis. If, among the theses offered, none are of sufficient merit, the prize may be withheld for that year. The theses must be presented to the Dean on the second Saturday before Commencement.

DEPARTMENT OF LAW

THE FACULTY consists of the President of the College; a Professor of Evidence; a Professor of Elementary Law, Criminal Law and Procedure, and the Law of Real Property; a Professor of Constitutional Law, Corporations, Contracts, and Wills; a Professor of the Law of Torts and Equity Jurisprudence; a Professor of Contracts and Pleading; and a Professor of International Law. Lectures are also delivered by Professor PHELPS on Evidence, by Professor WAYLAND on English Constitutional Law and History, Professor ROBINSON on Forensic Oratory, the Administration of Estates, and Conveyancing, MARK BAILEY, M.A., on Forensic Elocution, Professor BALDWIN on Roman Law, Professor PLATT on General Jurisprudence, Hon. WILLIAM E. SIMONDS, LL.B., on Patent Law, and by Hon. MORRIS W. SEYMOUR, LL.B., on Corporations.

TERMS AND VACATIONS—There are three terms in each year: the Fall term, beginning thirteen weeks from the day after Commencement, and continuing to the Thursday before Christmas; the Winter term, beginning in January, after a vacation of three weeks, and lasting eleven weeks; and the Spring term, beginning after a vacation of two weeks, and continuing until Commencement. (See Calendar, p. 4.)

COURSE OF INSTRUCTION

UNDERGRADUATE COURSE

The Undergraduate course occupies two years, the students being divided into two classes, for each of which a special course of study is provided. The daily exercises consist of lectures and recitations from standard text-books, the latter being accompanied by oral explanations. The students are frequently referred to the leading cases on the subject under consideration, and are required to be prepared for questions upon them at the next exercise; they are also encouraged to put questions freely to the instructor at all recitations. Moot Courts are regularly held, at which one of the professors acts as judge; the students acting as counsel, in the argument of cases, are required to draw the necessary pleadings, according to the common law or equity forms, as the case may be.

Members of either Class can attend the lectures of Professors to undergraduates in other Departments of the College, whenever it is compatible with their other engagements; and, with a few exceptions only, without charge. They can also attend one or more of the special courses of graduate instruction in the Department of Philosophy and the Arts, or the lectures on Medical Jurisprudence, Anatomy, Insanity, etc., in the Department of Medicine, on payment of a moderate fee.

The regular course of study is as follows:

JUNIOR YEAR:

Professor WAYLAND: Recitations,—Evidence; Lectures,—English Constitutional Law.

Professor ROBINSON: Recitations,—Elementary Law, Criminal Law, Real Property.

Professor BALDWIN: Recitations,—Contracts, Corporations; Lectures,—Nature and History of American Law, Wills.

Professor PLATT: Recitations,—General Jurisprudence, Torts; Lectures,—Jurisprudence.

Professor TOWNSEND: Recitations,—Pleading, Contracts; Lectures,—Code Pleading.

Professor WOOLSEY: Recitations,—International Law.

Mr. BAILEY: Lectures,—Forensic Elocution.

SENIOR YEAR:

Professor PHELPS: Lectures,—Evidence.

Professor ROBINSON: Recitations,—Real Property, Criminal Procedure; Lectures,—Estates, Conveyancing, Forensic Oratory.

Professor BALDWIN: Recitations,—Contracts, Corporations; Lectures,—American Constitutional Law, Public Corporations, Roman Law, Practice.

Professor PLATT: Recitations,—Equity.

Professor TOWNSEND: Recitations,—Contracts.

Professor WOOLSEY: Lectures,—International Law.

Mr. SEYMOUR: Lectures,—Private Corporations.

Mr. SIMONDS: Lectures,—Patents.

Any one or more of these studies may be pursued by those who do not intend to engage in the practice of the Law, but wish to obtain a knowledge of its principles to complete their education, or with reference to mercantile pursuits.

The text-books used are, in Junior year, Robinson's Elementary Law, Bishop or Wharton on Criminal Law, Holland on Jurisprudence, Cooley on Torts, Parsons on Contracts, Heard or Gould on Pleading, Woolsey's Introduction to the Study of International Law, Greenleaf on Evidence, vol.i, Morawetz on Private Corporations, and Washburn or Tiedman on

Real Property; in Senior year, Parsons on Contracts, Bispham on Equity Jurisprudence, Morawetz on Private Corporations, Washburn on Real Property, Greenleaf on Evidence, vol. ii, and Bishop or Wharton on Criminal Law and Criminal Procedure.

Students are also expected to read during this course, in connection with their regular exercises, Blackstone's and Kent's Commentaries.

At the close of the Spring Term, each class is subjected to a written examination on the studies of the preceding year.

TERMS OF ADMISSION — Applicants for admission to the Junior Class must be at least eighteen years of age, and must produce certificates of good moral character. No student who has not taken a degree from some collegiate institution, will be admitted as a candidate for a degree, until he has passed a satisfactory examination on the outlines of the History of England (Green's History of the English People is recommended) and of the United States, and the text of the Constitution of the United States. This examination will be conducted in writing, and the style of the composition and orthography in the answers as written, must be satisfactory to the examiners.

Those, however, will be excused from this examination who present a certificate that they have passed a "Regents' Examination for Law Students," conducted under the authority of the Board of Regents of the University of the State of New York.*

To entitle a person to admission to advanced standing as a member of the Senior Class, he must be at least nineteen years of age; must, if a college graduate, have studied law under a competent instructor, or at the law school of some college or university, for at least one year; must, if not a college graduate, have studied law under a competent instructor for at least two years, or at a law school for at least one year; and must

* The Regents' Examinations are held at New York City and at the various Academies in the State of New York, in the Fall, Winter, and early Summer of each year; also at New York City in April; also at Albany at the office of the Regents, at any time, at the convenience of candidates. The exact dates can be learned by writing to the Secretary of the Board of Regents, Albany, N. Y.; or to Professor Wayland, New Haven, Conn.

The subjects of examination are Arithmetic, English Grammar, Orthography, American History, English History, and English Composition. By the rules of admission to the bar of New York, all applicants, not college graduates, must have passed a Regents' Examination before or within three months after beginning their legal studies.

pass such examination as is required for those entering the Senior Class in the regular course, or produce a "Law Student's Certificate" from the Regents of the University of the State of New York. Attorneys at law of any State are entitled to admission to the Senior Class without examination, on the exhibition of their certificates of admission to the bar.

While time spent at another Law School will be reckoned, to the extent above mentioned, as equivalent to an equal length of time in this school, on the part of those applying for admission to advanced standing, it will be observed that the same examination is required in such cases as in all others. But students who have spent a year in another Law School may, if they prefer, upon entering this school, be examined in such studies only as they have pursued in the other, their examination in the other required branches being deferred to the close of the year. The same privilege will be extended to those who have been pursuing their studies under competent instructors.

Applicants for admission to advanced standing may either attend the regular annual Junior examination, which begins the second week before Commencement, or pass a special examination at the beginning of the Fall Term, at which it will be sufficient if they are prepared to be questioned on Parsons on Contracts (excepting only from vol. i, pages 9 to 40, 217 to 233, and 492 to 610; and from vol. ii, pages 1 to 32, 60 to 85, 257 to 614, and 787 to 801; and from vol. iii, pages 102 to 153, 234 to 285, 350 to 423, and 525 to 557), Robinson's Elementary Law, Heard, Chitty, Gould, or Stephen on Pleading, Greenleaf on Evidence, vol. i, Cooley on Torts, Washburn on Real Property, vol. i, Morawetz on Private Corporations, to page 186, and the elementary principles of testamentary law.

Special students, not candidates for a degree, are admitted to any of the exercises of the school without examination.

GRADUATE COURSE

The first year of the graduate course is open without examination, to graduates from any Law school, having the degree of LL.B.

The last year is open only to those who have successfully completed the studies of the preceding year, and received the degree of Master of Laws (M.L.); a preliminary examination

upon the outlines of Roman Law and Roman History, must also be passed, by all who have not taken their bachelor's degree at some Law School where Roman Law is a regular study. The degree of Doctor of Civil Law (D.C.L.) may be applied for at the end of this year, by those who have been graduated at some collegiate institution as Bachelor of Arts or Philosophy; or who are graduates of this Department, and attained a prescribed standard of scholarship on their examinations both for the degree of LL.B. and for that of M.L. A good knowledge of either the French or German language, as well as of Latin, will also be required, and the Faculty will present no one for the doctor's degree, who has not attained a high standard of proficiency in the studies pursued.

Neither degree is conferred except upon candidates who pursue their studies at New Haven under the direction of the Faculty, pass with credit a strict final examination on all the studies of the year, and present a satisfactory thesis.

The arrangement of this course is as follows:

FIRST YEAR:

Professor ROBINSON: Recitations,—Patents.

Professor BALDWIN: Recitations,—Railroad Law, Practice in U. S. Courts; Lectures,—American Constitutional Law.

Professor PLATT: Recitations,—Municipal Corporations, Practice under systems of Code Pleading.

Professor TOWNSEND: Recitations,—Admiralty Law.

Professor WOOLSEY: Lectures,—International Law.

Professor SUMNER: Lectures,—Political History and Science.

Professor A. M. WHEELER: Lectures,—English Constitutional History.

Mr. HADLEY: Lectures,—Railway Management.

SECOND YEAR:

Professor ROBINSON: Lectures,—Canon Law.

Professor BALDWIN: Recitations,—Code Napoléon, Conflict of Laws.

Professor PLATT: Recitations,—General Jurisprudence.

Professor SUMNER: Lectures,—Political and Social Science.

Mr. A. S. WHEELER: Recitations,—Roman Law.

Mr. HADLEY: Lectures,—Economics of Transportation.

EXAMINATIONS—There will be preliminary examinations of candidates for admission to the Junior Class at the opening of the Fall Term, and also on July 1, 1886, in Chicago, Cincinnati, and San Francisco, at places which will be announced in the local newspapers of the day previous. Candidates who propose to be present (elsewhere than at New Haven) are requested to send their names to Professor Wayland, before

June 1st. A fee of five dollars is charged for admission to examination outside of New Haven.

Candidates for admission to the Senior Class will be examined at the end of the Spring Term, or at the beginning of the Fall Term.

Seniors will be examined for a degree, only at the close of the Spring Term.

In the undergraduate course there are certain studies upon which all students are examined at the close of the year, and others upon which only those who desire are examined. The award of "honors" is confined to those who pass both examinations.

The junior "pass" examination includes the studies of the year in Elementary Law, Contracts, Pleading, Evidence, Torts, Wills, Real Property, Criminal Law, and Private Corporations. The Junior "honor" examination will include the studies of the year in Jurisprudence, and International Law, and such other branches as the Faculty may from time to time prescribe. The Senior "pass" examination includes the studies of the year in Contracts, Real Property, Equity, American Constitutional Law, Patents, Public and Private Corporations, and Estates. The Senior "honor" examination will include the studies of the year in International Law, Roman Law, and Criminal Procedure, and such other branches as the Faculty may from time to time prescribe.

Examinations for degrees in the graduate course will be held at the close of the Spring Term.

Every candidate for a degree, both in the undergraduate and graduate courses, must also submit a written thesis on a given legal topic, which must be approved by the Faculty.

LIBRARY, PRIZES, etc.—The special Library of the Department, which has a permanent endowment for its support (the English Fund*), contains over eight thousand volumes, comprising a complete collection of the English, American, Irish, and Canadian Reports of judicial decisions, and an extensive collection of text-books and works on Jurisprudence and Political History and Philosophy. The consulting room is also supplied with the leading legal periodicals. The Library is open daily, during term time, from 8.30 A. M. to 12.45 P. M., and from 2 to 5.30 P. M. (with the exception of Saturday afternoon); during vacation it is not open until 9 A. M.

* Established by the Hon. James E. English, M.A., in 1873.

The students can also draw books from the general College libraries, containing over 150,000 volumes.

The following prizes are open to competition :

THE TOWNSEND PRIZE,* of \$100, to that member of the Senior Class of the Law School who shall write and pronounce the best oration or thesis at the public anniversary exercises on his graduation.

THE JEWELL PRIZE,† of \$50, to that member of the Senior Class of the Law School, who receives the highest marks at the final examination of his class, at their graduation.

THE BETTS PRIZE‡ (\$50), to that member of the Junior Class who receives the highest marks at his annual examination.

THE O. S. SEYMOUR PRIZE§ (\$60), to that member of the graduating class who, in the opinion of the Faculty, has made the greatest improvement in scholarship during both years of his course.

The Department occupies an entire story of the Court House of New Haven County, facing the Green, and opposite to the main front of the older College buildings. It has, upon the same floor, two lecture-rooms, a large library hall, the office of the Dean of the Faculty, and other apartments furnishing every convenience for quiz-clubs and debating societies.

Two terms of the Supreme Court of Errors of Connecticut, one term of the United States Circuit Court, and two terms of the United States District Court, are held annually in New Haven; and the Superior Court and Court of Common Pleas, the principal *nisi prius* Courts of the State, are also in session almost daily, during each of the Law School terms.

The College Gymnasium is open to members of the Law Department, on payment of moderate fees.

DEGREES—In the undergraduate course the degree of Bachelor of Laws will be conferred by the Corporation, upon the recommendation of the Faculty of the Department, based on a satisfactory “pass” examination and the submission of a satisfactory thesis, on the following persons :

1st. Attorneys at Law, who have been members of the Department for one year after their admission to the Bar.

* Established by the Hon. James M. Townsend, in 1874.

† Established by the Hon. Marshall Jewell, M.A., in 1871.

‡ Established by Frederic H. Betts, M.A., in 1875.

§ Established by the family of the late Hon. Origen S. Seymour, LL.D., in 1885.

2d. Students who have been members of the Department for not less than two years, and who passed satisfactorily the Junior "pass" Examination at the end of their first year.

3d. Students who have been admitted to advanced standing as members of the Senior Class, and have remained in that Class for not less than one year.

The examination for the degree is mainly in writing, and is conducted under the supervision of an examining committee, appointed by the Superior Court, and the successful candidates, if twenty-one years of age, may be thereupon admitted to the Connecticut Bar. An oral examination is also had, upon one or two studies, before members of the Bar from different States, appointed for the purpose.

In the graduate course the degrees of Master of Laws (M.L.) and Doctor of Civil Law (D.C.L.) are conferred under the conditions specified on pages 100, 101.

Degrees are awarded, in cases of students of unusual merit, *cum laude*, *magna cum laude*, or *summa cum laude*.

EXPENSES—The fees for tuition and use of the library in the undergraduate course are \$45 for the Fall Term, \$35 for the Winter Term, and \$35 for the Spring Term, or \$100 for the entire year; and in the graduate course, for the first year, \$50 for the Fall term, \$40 for the Winter Term, and \$40 for the Spring Term, or \$125 for the whole year; and for the second year, \$80 for the Fall Term, \$70 for the Winter Term, and \$70 for the Spring Term, or \$200 for the whole year; to be paid to the Treasurer of the College in advance, or secured by a bond with surety, to his satisfaction. Where payment is not made in advance, interest will be added. The diploma fee is \$5, and the Court fees for admission to the Bar are \$8. A further fee of \$5 is chargeable for admission to practice in the United States Courts for the District of Connecticut, if this is also desired. The tuition charges for special students, not candidates for a degree, vary in proportion to the amount of instruction and supervision required, but will never exceed those made in the regular course.

Board and lodgings can be obtained at prices ranging from \$5 a week upwards.

For further particulars, inquiries may be addressed to Professor Francis Wayland, Dean of the Faculty, New Haven, Conn.

PEABODY MUSEUM OF NATURAL HISTORY

TRUSTEES :

PROFESSOR JAMES D. DANA, PH.D., LL.D., *Chairman*
HIS EXCELLENCY HENRY B. HARRISON, LL.D., *ex-officio*
THE HONORABLE ROBERT C. WINTHROP, LL.D.
PROFESSOR GEORGE J. BRUSH, M.A.
PROFESSOR OTHNIEL C. MARSH, M.A., *Treasurer*
GEORGE PEABODY WETMORE, M.A.
PROFESSOR EDWARD S. DANA, PH.D.

CURATORS :

OTHNIEL C. MARSH, M.A., *Curator of the Geological Collection*
ADDISON E. VERRILL, M.A., *Curator of the Zoological Collection*
EDWARD S. DANA, PH.D., *Curator of the Mineralogical Collection*

The gift of the founder, GEORGE PEABODY, of London, was committed to the Board of Trustees, in 1866, "to found and maintain a Museum of Natural History, especially in the departments of Zoology, Geology, and Mineralogy, in connection with Yale College." Of the entire gift (\$150,000), \$100,000 was devoted by the donor to the erection, on land given for the purpose by the President and Fellows of the College, of a fire-proof building, planned with special reference to subsequent enlargement. Of the remainder of the gift, the sum of \$20,000 is set apart as a reserve fund for the completion of the building, and the income of \$30,000 is available for the care of the Museum and the increase of its collections.

By the accumulations from investment of the original building-fund, the first wing of the Museum has been completed, at a cost of about \$140,000, or with cases, \$175,000.

The basement will be used for exhibiting the collection of fossil footprints from the Connecticut valley, and for work-rooms and store-rooms. The first story contains the Mineralogical Collection, and rooms for instruction in Mineralogy, as well as a general lecture-room. The second story is entirely devoted to Geology, and the third to Zoology. The fourth story is used for the collection in Archæology and Ethnology, and for store-rooms.

So far as the collections are arranged, the Museum is open to students and the public every day in term-time.

THE OBSERVATORY

BOARD OF MANAGERS :

PRESIDENT NOAH PORTER, LL.D., *President*
THOMAS G. BENNETT, PH.B., of New Haven
JACOB CAMPBELL, Esq., of New York City
PROFESSOR ELIAS LOOMIS, LL.D.
PROFESSOR CHESTER S. LYMAN, M.A.
PROFESSOR HUBERT A. NEWTON, LL.D., *Secretary*

OFFICERS :

ROBERT BROWN, M.A., *Secretary*
LEONARD WALDO, S.D.
ORRAY T. SHERMAN, B.A.
WILLIAM L. ELKIN, PH.D.
ASAPH HALL, JR., B.A.

THE OBSERVATORY has been built from the avails of the gift of the late Hon. Oliver F. Winchester, on land given by the late Mrs. Cornelia L. Hillhouse and her daughters. The principal astronomical instruments now in use are a six-inch Heliometer constructed by Messrs. Repsold, of Hamburg, and an eight-inch Equatorial by Messrs. Grubb, of Dublin, given by Mr. Edward M. Reed, of New Haven.

Besides its ordinary astronomical work, the Observatory has established two public services designed to supplement the work now in progress at other Observatories in the United States, and to afford such facilities to the Horological arts and to persons interested in accurate Thermometry, as are given at several of the prominent Observatories in Europe.

For the proper performance of these services the following equipment is in use :

1. Standard clocks, transit instruments, chronographs, and the accessories for refined accuracy in the determination and transmission of time.
2. A complete arrangement for the testing of chronometers, watches, and clocks, in the various positions and conditions of temperature, arranged with reference to the safety against fire and theft of such instruments while in the care of the Observatory.
3. Apparatus for an extended (automatic) public time service.
4. Apparatus for research and comparison in Thermometry, including a collection of the best thermometers obtainable of the foreign makers and observatories which devote special attention to thermometric standards.*

* Descriptive Circulars of the above services may be obtained by addressing the Observatory.

LIBRARIES

ADDISON VANNAME, M.A., *Librarian*

FRANKLIN B. DEXTER, M.A., *Assistant Librarian*

J. SUMNER SMITH, B.A., *Librarian of Linonian and Brothers Library*

THE COLLEGE LIBRARY numbers about 125,000 volumes, besides many thousand unbound pamphlets. It is designed for the use of the College officers, resident graduates, and the students of the various Departments. Other persons may have the privilege of consulting the Library and drawing books, by permission of the Library Committee. The Library is open daily in term-time from 9½ A. M. to 1 P. M., and from 2½ to 5 P. M., or during the Winter months, to 4½ P. M.

In the same building is the LINONIAN AND BROTHERS LIBRARY, designed primarily for the use of the undergraduate students, and containing about 28,000 volumes. This Library is open daily from 1½ to 2½ P. M.; on Wednesdays and Saturdays from 10 A. M. to 12 M. and from 1½ to 4 P. M.

In addition to the large number of periodicals received at the College Library, there will be found in the Reading Room (in the Cabinet Building) forty daily newspapers, American and foreign, as many weeklies, and fifty periodicals. The Reading Room is open from 9.30 A. M. to 8 P. M. (on Sundays from 1 to 8 P. M.)

The departments of Theology, of Medicine, and of Law, the Sheffield Scientific School, and the School of the Fine Arts, have each a special Library, accessible to the students of those schools respectively.

The Library of the AMERICAN ORIENTAL SOCIETY, numbering about 3,800 printed books and manuscripts, is kept in the College Library building.

SUMMARY.

College Library (exclusive of pamphlets), about . . .	125,000 vols.
Linonian and Brothers Library, about . . .	28,000 "
Libraries of the Professional Schools, about . . .	20,000 "
	<hr/>
	173,000 "

APPOINTMENTS FOR COMMENCEMENT,

IN THE UNDERGRADUATE ACADEMICAL DEPARTMENT, JUNE 24, 1885

ORATIONS

LEVI OLMSTED WIGGINS, Valedictory Oration, *Newburgh, N. Y.*

PAUL IRVING WELLES, Salutatory Oration, *Fayetteville, N. Y.*

{ GUY WARD MALLON, Philosophical Oration, *Cincinnati, O.*

{ HERBERT HENRY WHITE, Philosophical Oration, *New Haven*

JONATHAN BARNES, Philosophical Oration, *Springfield, Mass.*

EUGENE LAMB RICHARDS, JR., Philosophical Oration, *New Haven*

JOHN CLOYSE BRIDGMAN, Philosophical Oration, *Cleveland, O.*

{ Herbert Lionel Doggett, *Kansas City, Mo.*

{ Walter Francis Frear, *Oakland, Cal.*

{ Edward Augustus George, *Providence, R. I.*

{ Edward Neblett Hidden, *Cincinnati, O.*

{ George Edgar Vincent, *Plainfield, N. J.*

Wilbur Lucius Cross, *Gurleyville*

Charles Lyman Carhart, *Peekskill, N. Y.*

{ John Henry Booth, *Vergennes, Vt.*

{ James Richard Joy, *Groton, Mass.*

William Procter Morrison, *Cincinnati, O.*

Wilfred James Worcester, *New York City*

Robert James Pitkin, *Pueblo, Col.*

John Dennis Ferris, *Chatham, N. J.*

John Couch Flanders, *Portland, Oregon*

{ George Stuart Dickinson, *Worcester, Mass.*

{ George Augustus Sanderson, *Littleton, Mass.*

{ William Jarvis, *Louisville, Ky.*

{ Frank Robinson Shipman, *Hartford*

DISSERTATIONS

Atherton Noyes, *Wilmington, Mass.*

Joseph Cornelius Smith, *Brookfield*

Charles Buxton Hobbs, *Brooklyn, N. Y.*

{ Charles Edward Harris, Jr., *Brooklyn, N. Y.*

{ George Thomas Linsley, *New Haven*

{ John Stone Pardee, *New Haven*

{ Otis Strong, *Auburn, N. Y.*

Charles Samuel Wiley, *Charleston, Ill.*

DISPUTES

{ Colin Sherman Buell, *Madison*

{ Lewin Frank Buell, *Madison*

John Winthrop Platner, *Newark, N. J.*

Richard Ellis, *Peekskill, N. Y.*

{ David Winfield Mulvane, *Topeka, Kan.*

{ David Plessner, *Holden, Mo.*

Augustin Averill Crane, *New Haven*

Frederic Barnard, *Poughkeepsie, N. Y.*

John Loman, *Philadelphia, Pa.*

{ William Maxwell, *Rockville*

{ Oramel Whittlesey Pratt, *Salem*

Lambert Foster, *Plainfield, N. J.*

Herbert Ridgway Green, *Reading, Pa.*

Edwin Franklin Norton, *Preble, N. Y.*

{ Edward Herrick Chandler, *Auburndale, Mass.*

{ Lucius Franklin Robinson, *Hartford*

William Merle Carhart, *Peekskill, N. Y.*

William Taylor Glidden Weymouth, *Beaufort, S. C.*

George Fitch Stacy, *Stacyville, Iowa*

Lucius Olmsted Baird, *Chicago, Ill.*

{ Clifford Butler Allen, *St. Louis, Mo.*

{ Harry Goodnow Chase, *Chicago, Ill.*

Manly Dayton Ormes, *Tuscola, Mich.*

COLLOQUIES

{ Harlow Stearns Gale, *Minneapolis, Minn.*

{ Benjamin Kaye Heaton, *Philadelphia, Pa.*

Lyman Plimpton Peet, *West Haven*

Henry Buckelew Cosgrove, *Flatbush, N. Y.*

Henry deForest Baldwin, *New York City*

John Horatio Briggs, *Auburn, Me.*

William Thomas Tomlinson, *Milton, Del.*

Carrington Riverius Stiles, *East Bloomfield, N. Y.*

Richard Salter Storrs, *Orange, N. J.*

{ Charles Stuart Dodge, *New York City*

{ Robert Alfred Sands, *New York City*

Frank Van Allen, *Ravenswood, Ill.*

Charles Elbridge Cushing, *Bath, Me.*

Frank Bosworth Brandeggee, *New London*

John William Gavin, *New Haven*

William Gregory Green, *New Milford*

George Heber Woodhull, *Baiting Hollow, N. Y.*

Hervey DeLoss Leland, *Utica, N. Y.*

Joseph Hendley Townsend, *New Haven*

{ James Hall, *New Haven*

{ Charles Lewis Way, *Hartford*

{ James Benjamin Keogh, *Chicago, Ill.*

{ Louis Austin Mansfield, *New Haven*

Philip Parley Hubbard, *Litchfield*

The graduating class numbered one hundred and nineteen.

APPOINTMENTS FOR JUNIOR EXHIBITION,

IN THE UNDERGRADUATE ACADEMICAL DEPARTMENT, MARCH 26, 1885

ORATIONS

WILLIAM ADAMS BROWN, *New York City*
 CALVIN DICKEY, *Cincinnati, O.*
 JUDSON SHULTZ DUTCHER, *Ellenville, N. Y.*
 GEORGE EDWIN ELIOT, JR., *Clinton*
 CHARLTON MINER LEWIS, *New York City*
 FRANK GARDNER MOORE, *Columbus, O.*
 WILLIAM HENRY PARKS, *Clinton*
 CHARLES WHEELER PIERSON, *Florida, N. Y.*
 EDWARD WINTHROP REID, *Lakeville*

Carl D. Buck, <i>Bucksport, Me.</i>	Herbert A. Jaggard, <i>Altoona, Pa.</i>
John J. Corkery, <i>Norwich</i>	Charles A. Moore, <i>Columbus, O.</i>
Benjamin J. Davis, <i>New Haven</i>	Arthur S. Phelps, <i>New Haven</i>
Arthur Goebel, <i>Covington, Ky.</i>	John C. Schwab, <i>New York City</i>
Chauncey W. Goodrich, <i>New York City</i>	

Norman I. Adams, <i>Boston, Mass.</i>	Henry E. Hard, <i>Chicago, Ill.</i>
Warren A. Adams, <i>Skaneateles, N. Y.</i>	Frederick W. Moore, <i>New London</i>
Henry S. Ames, <i>St. Louis, Mo.</i>	Samuel W. Scott, <i>New Haven</i>
John Beadle, <i>New Haven</i>	Arthur L. Shipman, <i>Hartford</i>
Abraham L. Fellows, <i>Norwich</i>	Edgar C. Stiles, <i>Hartford</i>
George O. Fellows, <i>Norwich</i>	John Whitmore, <i>New Haven</i>
John K. Griffith, <i>Cynthiana, Ky.</i>	Evans Woollen, <i>Indianapolis, Ind.</i>

DISSERTATIONS

Daniel D. Bidwell, <i>East Hartford</i>	Daniel A. Moore, <i>St. Louis, Mo.</i>
Wilson L. Cannon, Jr., <i>Dover, Del.</i>	William E. Nichols, <i>East Haddam</i>
William W. Capron, <i>Albany, N. Y.</i>	John H. Painter, <i>Kittanning, Pa.</i>
Charles F. Clarke, <i>Columbia</i>	Frank G. Peters, <i>Syracuse, N. Y.</i>
Michael F. Connor, <i>Chicopee, Mass.</i>	Frederic N. Sewall, <i>Bath, Me.</i>
Stanford T. Crapo, <i>New Bedford, Mass.</i>	George C. Smith, <i>Newburgh, N. Y.</i>
Percy Edgar, <i>New York City</i>	Walter G. Stebbins, <i>Springfield, Mass.</i>
David D. Lambert, <i>New Haven</i>	Thomas G. Waterman, <i>Detroit, Mich.</i>

DISPUTES

Joseph L. Adler, <i>Cincinnati, O.</i>	William McElroy, <i>Albany, N. Y.</i>
Everett A. Bates, <i>Danielsonville</i>	Henry T. Nason, <i>Troy, N. Y.</i>
Louis B. Bishop, <i>New Haven</i>	Henry S. Washington, <i>Navesink, N. J.</i>
Edward N. Brandegee, <i>Berlin</i>	Frank E. Wing, <i>Conway, Mass.</i>
Wallace P. Knapp, <i>New York City</i>	Frederick J. Winston, <i>New York City</i>

Benjamin H. Anthony, <i>New Bedford, Mass.</i>	John F. Roache, <i>North Andover, Mass.</i>
Edward B. Morgan, <i>Denver, Col.</i>	William A. Robbins, <i>Brooklyn, N. Y.</i>
	Edward L. Smith, <i>Montpelier, Vt.</i>

COLLOQUIES

Paul K. Ames, <i>Minneapolis, Minn.</i>	Frederick B. Hungerford, <i>Adams, Mass.</i>
William P. Brandegee, <i>Elizabeth, N. J.</i>	George R. Mosle, <i>New York City</i>
Francis R. Cooley, <i>Hartford</i>	Edward J. Phelps, <i>Andover, Mass.</i>
Thomas M. Day, Jr., <i>Hartford</i>	Floyd R. Smith, <i>Jersey City, N. J.</i>
Henry E. Hord, <i>Indianapolis, Ind.</i>	Rollin U. Tyler, <i>Tylerville</i>

Bartlett Arkell, <i>Canajoharie, N. Y.</i>	Charles J. Griggs, <i>Waterbury</i>
George H. Bixby, <i>Los Angeles, Cal.</i>	James W. Lee, Jr., <i>Cleveland, O.</i>
Lawrence W. Churchill, <i>Oswego, N. Y.</i>	Lucius C. Ryce, <i>Hartford</i>
Gibbons G. Cornwell, <i>West Chester, Pa.</i>	Edward C. Smith, <i>St. Joseph, Mo.</i>
William M. Gallup, <i>Norwich</i>	Philip B. Stewart, <i>Middlebury, Vt.</i>
William B. Goodwin, <i>Biddeford, Me.</i>	

HOLDERS OF FELLOWSHIPS,

ACADEMICAL DEPARTMENT :

DOUGLAS Fellow—WILBUR F. BOOTH, B.A., Class of 1884.

SOLDIERS' MEMORIAL Fellow—JOSEPH M. LEWIS, B.A., Class of 1883.

SILLIMAN Fellow—JULIUS H. PRATT, JR., B.A., Class of 1882.

DEPARTMENT OF THEOLOGY :

HOOKEF Fellow, Class of 1885—GEORGE R. FREEMAN, M.A.

SCHOLARS OF THE HOUSE, ACADEMICAL DEPARTMENT :

BERKELEY Scholar, Class of 1883—EDWARD G. BOURNE, B.A.

BERKELEY Scholar, Class of 1884—CHARLES E. HOLMES, B.A.

BERKELEY Scholar, Class of 1885—JOHN LOMAN, B.A.

CLARK Scholar, Class of 1884—GUSTAVE F. GRUENER, B.A.

CLARK Scholar, Class of 1885—HERBERT H. WHITE, B.A.

W. W. DEFOREST Scholar, Class of 1885—HERBERT H. WHITE, B.A.

FOOTE Scholars— { EDWARD G. BOURNE, B.A., Class of 1883.
 { GUSTAVE F. GRUENER, B.A., Class of 1884.

LARNED Scholar, Class of 1882—CARLTON A. FOOTE, B.A.

LARNED Scholar, Class of 1883—JOHN F. CROWELL, B.A.

LARNED Scholar, Class of 1884—JOHN M. BURNAM, B.A.

LARNED Scholar, Class of 1885—HERBERT H. WHITE, B.A.

BRISTED Scholar, Class of 1886—WILLIAM H. PARKS.

WOOLSEY Scholar, Class of 1886—WILLIAM H. PARKS.

WOOLSEY Scholar, Class of 1887—JOHN N. POMEROY.

WOOLSEY Scholar, Class of 1888—THEODORE L. LEVERETT.

OTHER PREMIUMS AWARDED DURING THE YEAR 1884-85 :

UNIVERSITY PRIZE :

JOHN A. PORTER Prize—Frank Strong, B.A., of the Junior Class, Department of Law.

ACADEMICAL DEPARTMENT :

HURLBUT Scholarship, Class of 1888—Henry L. Stimson.

THIRD Freshman Scholarship, Class of 1888—Irving Fisher.

DEFOREST Medal, Class of 1885—Wilbur L. Cross.

TOWNSEND Premiums, Class of 1885—Henry deF. Baldwin, John C. Bridgman, Guy W. Mallon, Eugene L. Richards, Jr., Lucius F. Robinson.

COBDEN Club Medal for proficiency in Political Economy, Class of 1885—Paul I. Welles.

1ST Prize for the solution of Astronomical Problems, Class of 1885—Herbert H. White.

SCOTT Prize in German, Class of 1885—Jonathan Barnes.

SCOTT Prize in French, Class of 1886—Charles W. Pierson.

WINTHROP Prizes, Class of 1885—1st Prize, George O. Fellows ; 2d Prize, William H. Parks

JUNIOR EXHIBITION PREMIUMS, CLASS OF 1886:

1st Prize, Stanford T. Crapo ; 2d Prizes, Arthur Goebel, Henry E. Hard, Charles A. Moore, William E. Nichols, John C. Schwab, Evans Woollen.

PREMIUMS FOR ENGLISH COMPOSITION, CLASS OF 1887:

1st Term : 1st Prizes, William Kent, Yan Phou Lee, William L. Phelps, John N. Pomeroy ; 2d Prizes, Andrew F. Gates, George E. Hill, Charles H. Ludington, Jr., James R. Sheffield ; 3d Prizes, Carleton L. Brownson, Robert I. Jenks, Joseph W. Middlebrook, Louis H. Peet, Herbert F. Perkins.

2d Term : 1st Prizes, Gerald H. Beard, John Bennett, DeWitt C. Huntington, Herbert F. Perkins ; 2d Prizes, William A. Cornish, William L. Phelps, John N. Pomeroy, James R. Sheffield ; 3d Prizes, William Kent, Yan Phou Lee, Clarence T. Morse, Louis H. Peet.

PRIZES FOR DECLAMATION, CLASS OF 1887:

1st Prize, Frank Cochrane, DeWitt C. Huntington ; 2d Prize, Yan Phou Lee, Thomas Penney ; 3d Prize, James R. Sheffield.

MATHEMATICAL PREMIUMS:

Class of 1887—1st Prize, Thomas H. Curtis ; 2d Prize, John N. Pomeroy ; 3d Prize, William A. Cornish.

Class of 1888—1st Prize, Irving Fisher ; 2d Prizes, Edward F. Ayres, Charles E. Cornwall ; 3d Prize, Fred. P. Solley.

BERKELEY PREMIUMS FOR LATIN COMPOSITION, CLASS OF 1888:

1st Grade—Irving Fisher, Theodore L. Leverett, Duncan S. Merwin, Henry L. Stimson, Edward S. Thomas, Herbert C. Tolman ; 2d Grade, Charles E. Cornwall, Harry W. McCauley, Benjamin W. Schwab, Bernard C. Steiner. Special Prize, Duncan S. Merwin.

SHEFFIELD SCIENTIFIC SCHOOL:

Class of 1885:

FOR EXCELLENCE IN CIVIL ENGINEERING, John V. Hanna and Geo. E. Verrill.

FOR EXCELLENCE IN DYNAMIC ENGINEERING, Sidney A. Reeve and Frederic B. Wheeler.

FOR EXCELLENCE IN GERMAN, Louis M. Schmidt.

Class of 1886:

FOR EXCELLENCE IN THE MATHEMATICS OF JUNIOR YEAR, William D. Johnson and Henry H. Wadsworth.

SPECIAL PRIZE FOR THE LARGEST COLLECTION OF PLANTS, Marvin D. Hubbell.

Class of 1887:

- FOR EXCELLENCE IN ALL THE STUDIES OF THE FRESHMAN YEAR, Robert F. Gibson, with honorable mention of Edgar B. Harger, George B. Richards, Alfred J. Wakeman, Edward G. Williams, and George H. Wood.
- FOR EXCELLENCE IN CHEMISTRY, Robert F. Gibson and Edgar B. Harger, with honorable mention of Erwin S. Sperry and George H. Wood.
- FOR EXCELLENCE IN PHYSICS, Robert C. Augur, with honorable mention of Robert F. Gibson and Edgar B. Harger.
- FOR EXCELLENCE IN MATHEMATICS, Robert F. Gibson, with honorable mention of Robert C. Augur and Charles S. Jewett.
- FOR EXCELLENCE IN MECHANICAL DRAWING, Robert F. Gibson.
- FOR EXCELLENCE IN GERMAN, Isadore Dyer, Jr., Robert F. Gibson, Charles S. Jewett, George B. Richards, and Frank O. Walther.
- FOR EXCELLENCE IN ENGLISH COMPOSITION—1st Prize, Harry L. Hamlin; 2d Prizes, Franklin T. Parlin, George B. Richards; 3d Prizes, Herbert S. Bullard, Arthur M. Everit, Robert F. Gibson, Charles S. Jewett, Oscar H. Short, Frank M. Smith, and Edward G. Williams.

DEPARTMENT OF LAW:

- TOWNSEND PRIZE (\$100), for pronouncing the best oration at graduation—Wilson Howard Pierce, B.A., Brookfield Center.
- Committee of Award: Hon. Xenophon Wheeler, Chattanooga, Tenn.
Hon. Linus M. Child, Boston, Mass.
Hon. John W. Holcombe, Indianapolis, Ind.
- JEWELL PRIZE (\$50), for the best examination at graduation—Stiles Judson, Jr., Stratford.
- O. S. SEYMOUR PRIZE (\$50), for best examination in studies of Junior year—Lucius Boltwood, B.A., New Haven.

HONORS:

SENIOR CLASS

Degree of LL.B., *magna cum laude*.
Stiles Judson, Jr., Stratford.
John Grant Tod, Harrisburg, Texas.

Degree of LL.B., *cum laude*.

Francis Davis Chamberlain, B.A., West Chester, Pa.
Alfred Beard Kittredge, B.A., East Jaffray, N. H.
Samuel Clinton Morehouse, Fairfield.
Joseph Robinson Parrott, B.A., Oxford, Me.

JUNIOR CLASS

Honorable mention for excellence at the annual examination:
Lucius Boltwood, B.A., New Haven.
Henry Tweedy Shelton, Jr., B.A., Bridgeport.
Sherman Day Thacher, B.A., New Haven.